
INVITATION FOR BIDS

Solicitation No. DTFH70-08-B-00005

Bid Opening Date:

See Page A-3, Block 13A

ID PFH 22-1(11)

Cascade-Warm Lake Road

QUICK INDEX

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A-1 Notice to Bidders

BID REMINDERS

Electronic bids will not be accepted. Submit printed copy of bid to the address listed on the enclosed SF 1442. Before submitting your bid, please review the following:

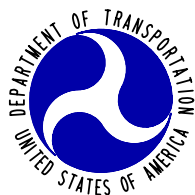
- Have you rechecked your bid figures?
- Have you completed the bid schedule?
- Have you completed and signed the SF 1442, Solicitation, Offer & Award?
- Have you acknowledged all amendments?
- Have you completed the Representations & Certifications (Page B-1)?
- Is your bid guarantee enclosed in proper form and amount (see FAR Clause 52.228-1), including Power of Attorney affidavit?
- Does the lower left corner of the proposal envelope state "Bid Enclosed"?
- Does the lower left corner include the Solicitation Number and the project number/name?

**Solicitation, Offer & Award, Bid Schedule, Contract Clauses,
Minimum Wage Schedule, Special Contract Requirements, and Plans**

This solicitation cites

***Standard Specifications for Construction of Roads and Bridges
on Federal Highway Projects, FP-03 Metric Units***

ISSUING OFFICE:



**U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
610 EAST FIFTH STREET
VANCOUVER, WA 98661-3801**
Phone: (360) 619-7520 – FAX: (360) 619-7932
Web site: www.wfl.fhwa.dot.gov/edi/
e-mail: contracts@mail.wfl.fhwa.dot.gov

PROJECT ID PFH 22-1(11), CASCADE-WARM LAKE ROAD

BEGINNING AT 10+134.66

ENDING AT 31+ 700.00

NATIONAL FOREST BOISE

COUNTY VALLEY

STATE IDAHO

LENGTH 21.565 KILOMETERS

FIXED COMPLETION DATE See FAR Clause 52.211-10
(FAR Clauses begin on page C-1)

Offer Submittal Checklist

Before submitting your offer, please review the following:	Done?	Is this in the envelope?
Bid Envelope		
Did I correctly address the envelope? (See page A-3, blocks 7 & 8)		
Does the lower left corner of the envelope include the Solicitation Number and the project name/number?		
Pages A-3 & A-4 (SF 1442, Solicitation Offer & Award)		
Did I include our firm name and address in block 14?		
Did I include our firm's phone number in block 15?		
Did I include our firm's remittance address in block 16? (Use when different than block 14)		
Did I include my DUNS number?		
Did I include the number & date of <u>all</u> amendments in block 19?		
Did the appropriate official sign/date in block 20A, 20B & 20C?		
Bid Schedule (see page A-7)		
Did I insert "Unit Bid Price" and "Amount Bid" for each bid item?		
Did the appropriate official initial corrections?		
Did I include the "Total" on the last page of each bid schedule?		
Did I include the firm's name on the last page of each bid schedule?		
When applicable, did I include the totals for each schedule in the summary page? (see last page of bid schedules.)		
Bid Bond (Standard Form 24) Bids received without a valid bid bond will be rejected.		
Did I complete my bid bond correctly?		
Did I attach the Power of Attorney to the bid bond?		
Authority to Sign		
Did I include a completed form for <u>each</u> person signing the SF1442 and Bid Bond?		
Representations & Certifications & other fill-ins		
Did I include the completed B-pages (beginning on B-1)?		
Did I include the completed clause 1252.228-73 <i>Notification of Miller Act Payment Bond Protection</i> (clauses begin on page C-1)?		
Online Representations & Certifications Application (ORCA) http://orca.bpn.gov		
Do we have up-to-date data in ORCA ?		
Central Contractor Registration (CCR) http://www.ccr.gov		
Did I ensure our firm is currently registered in CCR?		
Vets100 Reporting http://vets.dol.gov/vets100/		
Did I ensure our firm has completed this annual report?		

NOTE: The Contractor is fully responsible to verify that all data is correct each time a offer package is submitted. Failure to properly input and/or update your data may cause the offer to be rejected.

Offer Submittal Checklist
Reserved

Driving Directions to our Vancouver Washington Office:

See our web page at <http://www.wfl.fhwa.dot.gov/about/directions.htm>

INSTRUCTIONS: When the offeror/principal is a corporation, include this certification with your offer/bid.

Corporate Certificate

I, _____ (name), certify that I am the

_____ (title), of the corporation named as

the Offeror/Principal herein;

that _____ (name), who signed this

offer and/or bid bond on behalf of _____ (company name) is

_____ (title) of this corporation;

that the offer was duly signed for and on behalf of said corporation by authority and

scope of its governing body, and within the scope of its corporate powers.

_____ (signature)

Affix Corporate Seal

_____ (title)

Authority to Sign

Project: ID PFH 22-1(11) Cascade-Warm Lake Road

INSTRUCTIONS: When the offeror/principal is a limited liability company, include this certification with your offer/bid.

Limited Liability Certificate

I, _____ (name), certify that I am the

_____ (title), of the limited liability company

named as the Offeror/Principal herein;

that _____ (name), who signed this

offer and/or bid bond on behalf of _____ (company name) is

_____ (title) of this company;

that the offer was duly signed for and on behalf of said company by authority and

scope of its governing body, and within the scope of its powers.

_____ (signature)

_____ (title)

Affix Company Seal
(as applicable)

Authority to Sign

Project: ID PFH 22-1(11) Cascade-Warm Lake Road

INSTRUCTIONS: When the offeror/principal is a partnership, include this certification with your offer/bid.

Authority to Bind Partnership

This certifies that the names and signatures of all partners are listed below, and that the person signing the proposal has the authority to actually bind the partnership pursuant to its partnership agreement. Each of the partners individually has full authority to enter into and execute contractual instruments on behalf of said partnership, except as follows:

(State "None" or describe limitations, if any)

This authority shall remain in full force and effect until such time as the revocation of authority by any cause whatsoever has been furnished in writing to and acknowledge by the Contracting Officer.

(Include names and signatures of all partners)

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Authority to Sign

Project: ID PFH 22-1(11) Cascade-Warm Lake Road

INSTRUCTIONS: When the offeror/principal is a joint venture, include this certification with your offer/bid.

Authority to Bind Joint Venture

This certifies that the person signing the proposal has the authority to actually bind the joint venture pursuant to its joint venture agreement, and that each of the named persons listed below individually has full authority to enter into and execute contractual instruments on behalf of said joint venture, except as follows:

(State "None" or describe limitations, if any)

This authority shall remain in full force and effect until such time as the revocation of authority by any cause whatsoever has been furnished in writing to and acknowledge by the Contracting Officer.

(Include names and signatures of all applicable individuals)

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Authority to Sign

Project: ID PFH 22-1(11) Cascade-Warm Lake Road

INSTRUCTIONS: When the offeror/principal is a sole proprietorship, the signature on the offer/bid and on the bonds must be as follows:

Sole Proprietorship Requirement

An Offeror/Principal that is a sole proprietorship must submit an offer/bid and a bond signed by the sole proprietor, or by one duly authorized to sign for the sole proprietor. If the signature is by someone other than the sole proprietor, a copy of the power of attorney authorizing the individual to sign must be provided with the offer/bid.

BID BOND <i>(See instruction on reverse)</i>	DATE BOND EXECUTED <i>(Must not be later than bid opening date)</i>	OMB NO.: 9000-0045
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Public reporting burden for this collection of information is estimated to average 25 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the FAR Secretariat (MVR), Federal Acquisition Policy Division, GSA, Washington, DC 20405.

PRINCIPAL <i>(Legal name and business address)</i>	TYPE OF ORGANIZATION <i>("X" one)</i> <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> JOINT VENTURE <input type="checkbox"/> CORPORATION STATE OF INCORPORATION
--	--

SURETY(IES) *(Name and business address)*

PENAL SUM OF BOND					BID IDENTIFICATION	
PERCENT OF BID PRICE	AMOUNT NOT TO EXCEED				BID DATE	INVITATION NO.
	MILLION(S)	THOUSAND(S)	HUNDRED(S)	CENTS		DTFH70-08-B-00005
					FOR <i>(Construction, Supplies, or Services)</i>	ID PFH 22-1(11) Cascade-Warm Lake Road

OBLIGATION:

We, the Principal and Surety(ies) are firmly bound to the United States of America (hereinafter called the Government) in the above penal sum. For payment of the penal sum, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally. However, where the Sureties are corporations acting as co-sureties, we, the Sureties, bind ourselves in such sum "jointly and severally" as well as "severally" only for the purpose of allowing a joint action or actions against any or all of us. For all other purposes, each Surety binds itself, jointly and severally with the Principal, for the payment of the sum shown opposite the name of the Surety. If no limit of liability is indicated, the limit of liability is the full amount of the penal sum.

CONDITIONS:

The Principal has submitted the bid identified above.

THEREFORE:

The above obligation is void if the Principal - (a) upon acceptance by the Government of the bid identified above, within the period specified therein for acceptance (sixty (60) days if no period is specified), executes the further contractual documents and gives the bond(s) required by the terms of the bid as accepted within the time specified (ten (10) days if no period is specified) after receipt of the forms by the principal; or (b) in the event of failure to execute such further contractual documents and give such bonds, pays the Government for any cost of procuring the work which exceeds the amount of the bid.

Each Surety executing this instrument agrees that its obligation is not impaired by any extension(s) of the time for acceptance of the bid that the Principal may grant to the Government. Notice to the surety(ies) of extension(s) are waived. However, waiver of the notice applies only to extensions aggregating not more than sixty (60) calendar days in addition to the period originally allowed for acceptance of the bid.

WITNESS:

The Principal and Surety(ies) executed this bid bond and affixed their seals on the above date.

PRINCIPAL				
SIGNATURE(S)	1.	2.	3.	Corporate Seal
	<i>(Seal)</i>	<i>(Seal)</i>	<i>(Seal)</i>	
NAME(S) & TITLE(S) <i>(Typed)</i>	1.	2.	3.	

INDIVIDUAL SURETY(IES)		
SIGNATURE(S)	1.	2.
	<i>(Seal)</i>	<i>(Seal)</i>
NAME(S) <i>(Typed)</i>	1.	2.

CORPORATE SURETY(IES)				
SURETY A	NAME & ADDRESS	STATE OF INC.	LIABILITY LIMIT (\$)	Corporate Seal
	SIGNATURE(S)	1.	2.	
	NAME(S) & TITLE(S) <i>(Typed)</i>	1.	2.	

SURETY B	NAME & ADDRESS		STATE OF INC.	LIABILITY LIMIT (\$)	<i>Corporate Seal</i>
	SIGNATURE(S)	1.	2.		
	NAME(S) & TITLE(S) (Typed)	1.	2.		
SURETY C	NAME & ADDRESS		STATE OF INC.	LIABILITY LIMIT (\$)	<i>Corporate Seal</i>
	SIGNATURE(S)	1.	2.		
	NAME(S) & TITLE(S) (Typed)	1.	2.		
SURETY D	NAME & ADDRESS		STATE OF INC.	LIABILITY LIMIT (\$)	<i>Corporate Seal</i>
	SIGNATURE(S)	1.	2.		
	NAME(S) & TITLE(S) (Typed)	1.	2.		
SURETY E	NAME & ADDRESS		STATE OF INC.	LIABILITY LIMIT (\$)	<i>Corporate Seal</i>
	SIGNATURE(S)	1.	2.		
	NAME(S) & TITLE(S) (Typed)	1.	2.		
SURETY F	NAME & ADDRESS		STATE OF INC.	LIABILITY LIMIT (\$)	<i>Corporate Seal</i>
	SIGNATURE(S)	1.	2.		
	NAME(S) & TITLE(S) (Typed)	1.	2.		
SURETY G	NAME & ADDRESS		STATE OF INC.	LIABILITY LIMIT (\$)	<i>Corporate Seal</i>
	SIGNATURE(S)	1.	2.		
	NAME(S) & TITLE(S) (Typed)	1.	2.		

INSTRUCTIONS

1. This form is authorized for use when a bid guaranty is required. Any deviation from this form will require the written approval of the Administrator of General Services.
2. Insert the full legal name and business address of the Principal in the space designated "Principal" on the face of the form. An authorized person shall sign the bond. Any person signing in a representative capacity (e.g., an attorney-in-fact) must furnish evidence of authority if that representative is not a member of the firm, partnership, or joint venture, or an officer of the corporation involved.
3. The bond may express penal sum as a percentage of the bid price. In these cases, the bond may state a maximum dollar limitation (e.g., (e.g., 20% of the bid price but the amount not to exceed _____ dollars).
4. (a) Corporations executing the bond as sureties must appear on the Department of the Treasury's list of approved sureties and must act within the limitation listed therein. where more than one corporate surety is involved, their names and addresses shall appear in the spaces (Surety A, Surety B, etc.) headed "CORPORATE SURETY(IES)." In the space designed "SURETY(IES)" on the face of the form, insert only the letter identification of the sureties.

(b) Where individual sureties are involved, a completed Affidavit of Individual surety (Standard Form 28), for each individual surety, shall accompany the bond. The Government may require the surety to furnish additional substantiating information concerning its financial capability.
5. Corporations executing the bond shall affix their corporate seals. Individuals shall execute the bond opposite the word "Corporate Seal"; and shall affix an adhesive seal if executed in Maine, New Hampshire, or any other jurisdiction requiring adhesive seals.
6. Type the name and title of each person signing this bond in the space provided.
7. In its application to negotiated contracts, the terms "bid" and "bidder" shall include "proposal" and "offeror."

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SPECIAL CONTRACT REQUIREMENTS (SCRs)

The following Special Contract Requirements amend and supplement the Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects, FP-03 Metric Units.

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NOTICE TO BIDDERS

I. Project Location.

The project work is located near Cascade, ID 2.4 kilometers north on State Route 55, then 3.2 kilometers east on Forest Highway 22 in Valley County. Approximate Global Positioning System(GPS) Coordinates for the beginning of the project are Latitude 44 degrees, 31 minutes, 40 seconds North and 115 degrees, 59 minutes, 5 seconds west, North American Datum 83.

Signs have not been erected to identify the project limits. No Government personnel will be available for show-me tours. Project photos have been posted on FedBizOpps and are available on CD because bids may be opened before snow melt. To order a CD, submit the physical data request form posted on FedBizOpps with this solicitation.

II. Pre-bid Information.

TECHNICAL QUESTIONS REGARDING PROPOSED WORK FOR THIS PROJECT WILL NOT BE ACCEPTED AFTER THE CLOSE-OF-BUSINESS ON MAY 8, 2008.

Questions can be submitted and answers viewed by going to project information at <http://www.wfl.fha.dot.gov/edi/current.htm>

This solicitation includes electronic plan sheets. Plan sheets can be found at <http://www.wfl.fhwa.dot.gov/edi/plans/idpfh2211/> and viewed by individual sections, downloaded by individual sections, or the entire plan set downloaded in a zip file. A paper copy of the plan sheets is available by submitting the form included. A CD of the physical data is available by submitting the form included on FedBizOpps with this solicitation.

Requests for technical information (Plan and Division 100 – 700 Specification questions only) about this project will only be accepted in writing (see Block 9 on page A-5).

Prime HubZone Contractors and Subcontracting. If the contract is awarded after applying the price preference for HUBZone small business concerns under FAR clause 52.219-4; at least 50 percent of the cost of the contract performance incurred for personnel must be spent on the prime Contractor's employees or the employees of other qualified HUBZone small business concerns. See Subsection 108.02A.

REPS & CERTS. Submit or update Representations and Certifications online at <http://orca.bpn.gov> before bid submittal. For more details go to FAR Provision 52.204-8 *Annual Representations and Certifications* (see page B-2). If you have previously registered on-line and the NAICS code for this solicitation is different than the code listed in your online file, please note the amended changes on the lines provided in FAR 52.204-8.

This solicitation contains a Price Evaluation Factor. We will apply a factor of 10% to an apparent low bid submitted by a large business when we also receive a bid from a HUBZone small business; the 10% factor does not apply to apparent low bids submitted by a small business. See FAR Clause 52.219-4. To verify which firms are currently HUBZone certified see:

<https://eweb1.sba.gov/hubzone/internet/general/approved-firms.cfm>.

Notice of CCR Registration. You must register in the Central Contract Registration (CCR) prior to award of this contract. Failure to register prior to contract award will require award to be offered to the next successful registered Offeror. See FAR Subpart 4.1103(c). Register online at www.ccr.gov or call toll free: 888.227.2423.

III. Post Award Information.

Insurance requirements are set forth in Subsection 107.05.

Contractor Performance Evaluations. FHWA is now posting evaluations in the National Institutes of Health's Contractor Performance System (CPS) for completed projects. Register at <https://cps.nih.gov/infopage.asp> (Click on "CPS Info" tab, then click on "Contractor Information" button) to view and comment on evaluations. System registration is only required once. Review the evaluation and submit comments within 30 days of notification. Reviewing the evaluation and submitting comments is limited to one entry. If unable to register, call 360.619.7520 for assistance or a copy of the evaluation. You can also access the Contractor User Manual from this web link.

IV. Specifications and Permits.

This solicitation and subsequent contract are governed by the Federal Acquisition Regulation (FAR), agency supplemental regulations, and the Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects, FP-03 Metric Units. . Obtain paper copies of the FP-03 by calling 360.619.7520, e-mailing at plans_spec@fhwa.dot.gov, or writing Federal Highway Administration, 610 East Fifth Street, Vancouver, WA 98661. An electronic version may be found at <http://www.wfl.fha.dot.gov/design/specs/fp03.htm>.

The Government offers to make available to the Contractor a laboratory trailer with test equipment. See Subsection 154.04A, Laboratory Trailer and Testing Equipment.

The Government has changed the manner in which it measures the roughness of hot asphalt concrete pavement. The International Ride Index will now be used to determine a Pay Adjustment Factor for pay item number 40101. See Subsection 401.16.

There is no longer two separate pay items for hot asphalt concrete pavement and asphalt binder under Section 401, they have been combined. The Government has changed the formula for the Material Pay Factor for Section 401. See Subsection 401.19.

A price adjustment specification for fuel and asphalt binder has been included in this contract. See Subsection 109.06A. Unit bid prices will be evaluated without the adjustment for price fluctuations.

Sources and sites have not been identified for this project. Secure all permits and clearances for Contractor-located sites and sources. See Subsection 105.02(b) and 107.10.

SOLICITATION, OFFER, AND AWARD <i>(Construction, Alteration, or Repair)</i>		1. Solicitation No. DTFH7-08-B-00005	2. Type of Solicitation <input checked="" type="checkbox"/> Sealed Bid (IFB) <input type="checkbox"/> Negotiated (RFP)	3. Date Issued 4/4/08	Page A-3
IMPORTANT – The “offer” section on the reverse must be fully completed by offeror.					
4. Contract No. -		5. Requisition/Purchase Request No. N/A		6. Project No. ID PFH 22-1(11) Cascade-Warm Lake Road	
7. Issued By U.S. Department of Transportation Federal Highway Administration 610 East Fifth Street Vancouver WA 98661-3801		Code: N/A		8. Address Offer to Attn: Contracts Section Code: N/A	
9. For Information Call:	A. Name See page A-5.		B. Telephone No. <i>(Include area code) (No Collect Calls)</i> 360.619.7520		
SOLICITATION					
NOTE: In sealed bid solicitation “offer” and “offeror” mean “bid” and “bidder”					

10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS:

This solicitation is designated

This solicitation is designated **ID PFH 22-1(11), Cascade-Warm Lake Road**, Boise National Forest, Valley County, Idaho

IN STRICT ACCORDANCE WITH:

Bid Schedule

Federal Acquisition Regulations (FAR) and Transportation Acquisition Regulations (TAR)

General Wage Decision

Special Contract Requirements

Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects, FP-03 (Metric version)

11. The Contractor shall begin performance within <u>10</u> calendar days and complete it within <u>*</u> calendar days after receiving the <input type="checkbox"/> award, <input checked="" type="checkbox"/> notice to proceed. This performance period is <input checked="" type="checkbox"/> mandatory <input type="checkbox"/> negotiable. (See <u>*see page A-5</u> .)	
12A. The Contractor must furnish any required performance and payment bonds? <i>(If “YES”, indicate within how many calendar days after award in item 12B.)</i> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12B. Calendar Days <div style="text-align: center;">10</div>
13. Additional Solicitation Requirements: A. Sealed offers in original and <u>0</u> copies to perform the work required are due at the place specified in Item 8 by <u>2:00 PM</u> local time May 6, 2008. If this is a sealed bid solicitation, offers must be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror’s name and address, the solicitation number, and the date and time offers are due. B. An offer guarantee <input checked="" type="checkbox"/> is <input type="checkbox"/> is not required. C. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference. D. Offers providing less than <u>60</u> calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.	

OFFER (Must be fully completed by offeror)

14. Name and Address of Offeror (Include ZIP Code)	15. Telephone No. (Include are code)
	16. Remittance Address (Include on it different than Item 14)
DUNS number:	

17. The offeror agrees to perform the work required at the prices specified below in strict accordance with the terms of this solicitation, if this is accepted by the Government in writing within 60 calendar days after the date offers are due. (Insert any number equal to or greater than the minimum requirement stated in Item 13D. Failure to insert any number means the offeror accepts the minimum in Item 13D.)

AMOUNTS	See Bid Schedule
----------------	------------------

18. The offeror agrees to furnish any required performance and payment bonds.

19. ACKNOWLEDGEMENT OF AMENDMENTS

(The offeror acknowledges receipt of amendment to the solicitation - give number and date of each)

AMENDMENT No.										
DATE										

20A NAME, TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or Print)	20B. SIGNATURE	20c. OFFER DATE
--	----------------	-----------------

AWARD (to be completed by Government)

21. ITEM(S) ACCEPTED

All items on Bid Schedule.

22. Amount	23. Accounting and Appropriation Data
------------	---------------------------------------

24. Submit Invoices to Address shown in (4 copies unless otherwise specified)	Item See Page A-5	25. Other Than full and open competition pursuant to <input type="checkbox"/> 10 U.S.C. 2304(c) (____) <input type="checkbox"/> 41 U.S.C 253 (c) (____)
---	-------------------	--

26. Administered by Federal Highway Administration Western Federal Lands Highway Division 610 East Fifth Street Vancouver WA 98661-3801	Payment will be made by Finance Section Western Federal Lands Highway Division 610 East Fifth Street Vancouver WA 98661-3801
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CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE

<input type="checkbox"/> 28. NEGOTIATED AGREEMENT (Contractor is required to sign this document and return _____ copies to issuing office) Contractor agrees to furnish and deliver all items or perform all work requirements identified on this form and any continuation sheets for the consideration stated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications incorporated by reference in or attached to this contract.	<input checked="" type="checkbox"/> 29. AWARD (Contractor is not required to sign this document.) Your offer on this solicitation, is hereby accepted as to the items listed. This award consummates the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.
--	---

30A. Name and Title of Contractor or Person authorized to sign (Type or Print)	31A. Name of Contracting Officer (Type or Print) Julee McTaggart		
30b. Signature	30C. Date	31B. United States of America By	31C. Award Date

Block 9 **FOR GENERAL INFORMATION**, call **360.619.7520** from the hours of 8:00a.m. to 4:00p.m. local time or e-mail us at **contracts@mail.wfl.fhwa.dot.gov**.

FOR TECHNICAL INFORMATION (plan and specification questions only).

Please contact Ken Oltmann at 360.619.7896 (phone), 360.619.7932 (fax) or email ken.oltmann@fhwa.dot.gov

FOR DAVIS-BACON WAGE RATE INFORMATION call the Department of Labor at **415.848.6616**

FOR PHYSICAL DATA, See FAR Contract Clause 52.236-4, Physical Data, (clauses begin on page C-1) for a listing of available data. To obtain copies of Physical Data, submit a written request to the Contracts Section, FAX (360) 619-7932 or e-mail us at contracts@mail.wfl.fhwa.dot.gov. Requests should be made early to assure timely arrival.

Block 11 **COMPLETION DATE:** Work shall be completed on or before the date specified in FAR Clause 52.211-10, *Commencement, Prosecution, and Completion of Work*, subject to such extensions as may be authorized by the terms of the contract and the specifications made a part thereof. Contract Clauses begin on pages C-1.

Block 12A **PERFORMANCE & PAYMENT BONDS:** See FAR Clause, 52.228-15, *Performance and Payment Bonds - Construction* (clauses begin on page C-1) and Subsection 102.06 of the *Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects, FP-03 (Metric Units)*.

Block 13B **BID BOND AMOUNT:** See FAR Clause 52.228-1, Bid Guarantee (clauses begin on page C-1).

ADDITIONAL INFORMATION: See Subsections 102.03 and 102.04 of *Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects, FP-03, (Metric Units)*.

Block 24 **SUBMITTING INVOICES:** See Subsection 109.08 of the *Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects. FP-03 (U.S. Metric Units)*.

ESTIMATED PRICES. The price range of the project work is between **\$5,000,000** and **\$10,000,000**.

RESERVED

Bid Schedule

Project: ID PFH 22-1(11)
CASCADE - WARM LAKE ROAD

Bidder please note: Before preparing the bid, carefully read the Solicitation Provisions.

Insert a unit bid price, in figures, for each pay item for which a quantity appears in the bid schedule. Multiply the unit price by the quantity for each pay item and show the amount bid. Should any mathematical check made by the Government show a mistake in the amount bid, the Amount Bid for the item will be based on the Unit Bid Price.

When "LPSM" (Lump Sum) appears as a unit bid price, insert an amount for each lump sum pay item.

When a sum based on a fixed rate appears for any pay item in the amount bid column, include the Government inserted amount bid for the item in the total bid amount.

Total the amounts bid for all pay items and insert the total bid amount.

The quantity for the following item of work is a Contract Quantity (see FP-03, Subsection 109.02):
41602-2000

Pay Item No.	Estimated Quantity	Unit Bid Price	Amount Bid
15101-0000	Mobilization		
	ALL	Lump Sum	\$_____
15201-0000	Construction survey and staking		
	ALL	Lump Sum	\$_____
15301-0010	Contractor quality control and assurance		
	ALL	Lump Sum	\$_____
15401-0000	Contractor testing		
	ALL	Lump Sum	\$_____
15501-0000	Construction schedule		
	ALL	Lump Sum	\$_____
15705-1500	Soil erosion control, sediment wattle		
	5,000.0		
	m	\$_____	\$_____

Bid Schedule A

Project: ID PFH 22-1(11)
CASCADE - WARM LAKE ROAD

Pay Item No.	Estimated Quantity	Unit Bid Price	Amount Bid
15801-0000	Watering for dust control 15,000.0 m3	\$ _____	\$ _____
20301-1400	Removal of inlet 24 Each	\$ _____	\$ _____
20301-1900	Removal of pipe culvert , downdrain 7 Each	\$ _____	\$ _____
20301-2300	Removal of sign/marker 6 Each	\$ _____	\$ _____
20302-0200	Removal of curb 4,800.0 m	\$ _____	\$ _____
20302-1700	Removal of paved waterway, asphalt 120.0 m	\$ _____	\$ _____
20402-0000	Subexcavation 25,000.0 m3	\$ _____	\$ _____
20410-0000	Select borrow 21,500.0 m3	\$ _____	\$ _____
20701-0900	Earthwork geotextile, type II-C 43,000 m2	\$ _____	\$ _____
25101-2000	Placed riprap, class 2 , energy dissipator 55.0 m3	\$ _____	\$ _____
30802-1000	Roadway aggregate, method 1 12,000.00 t	\$ _____	\$ _____
40101-1000	Superpave pavement, 19mm nominal maximum size aggregate, 0.3 to <3 million ESAL , type IV pavement roughness 29,000.00 t	\$ _____	\$ _____

Bid Schedule A

Project: ID PFH 22-1(11)

CASCADE - WARM LAKE ROAD

Pay Item No.	Estimated Quantity	Unit Bid Price	Amount Bid
40105-3000	Antistrip additive, type 3 300.00 t	\$ _____	\$ _____
40401-0000	Minor hot asphalt concrete , 75 mm depth 4,700.00 t	\$ _____	\$ _____
41201-1000	Tack coat grade CSS-1, CSS-1h, SS-1, or SS-1h 60.00 t	\$ _____	\$ _____
41301-1000	Asphalt pavement milling, 100mm depth 1,200 m2	\$ _____	\$ _____
41602-2000	Continuous cold recycled asphalt base course type B 159,771 m2	\$ _____	\$ _____
41605-4000	Emulsified binder agent grade CMS-2s 420.00 t	\$ _____	\$ _____
41610-1000	Fog seal grade CSS-1, CSS-1h, SS-1 or SS-1h 70.00 t	\$ _____	\$ _____
41611-1000	Blotter 1,060.00 t	\$ _____	\$ _____
41615-0000	Quicklime 280.00 t	\$ _____	\$ _____
60201-0600	450mm pipe culvert 25.0 m	\$ _____	\$ _____
60201-0800	600mm pipe culvert 200.0 m	\$ _____	\$ _____
60201-1000	900mm pipe culvert 20.0 m	\$ _____	\$ _____

Bid Schedule A

Project: ID PFH 22-1(11)

CASCADE - WARM LAKE ROAD

Pay Item No.	Estimated Quantity	Unit Bid Price	Amount Bid
60210-0600	End section for 450mm pipe culvert		
	4		
	Each	\$ _____	\$ _____
60210-0800	End section for 600mm pipe culvert		
	22		
	Each	\$ _____	\$ _____
60210-1000	End section for 900mm pipe culvert		
	2		
	Each	\$ _____	\$ _____
60501-0000	Standard underdrain system		
	3,000.0		
	m	\$ _____	\$ _____
60502-0000	Geocomposite underdrain system		
	630.0		
	m	\$ _____	\$ _____
60502-0000	Geocomposite underdrain system , type 2		
	220.0		
	m	\$ _____	\$ _____
60505-0000	Geocomposite capillary break system		
	2,000		
	m2	\$ _____	\$ _____
62201-0200	Dump truck, 8 cubic meter minimum capacity		
	50.0		
	Hour	\$ _____	\$ _____
62201-0950	Wheel loader, 3 cubic meter minimum rated capacity		
	30.0		
	Hour	\$ _____	\$ _____
62201-2850	Motor grader, 3.6 meter minimum blade		
	30.0		
	Hour	\$ _____	\$ _____
62201-3150	Hydraulic excavator, crawler mounted, 0.7m3 minimum capacity with thumb attachment		
	50		
	Hour	\$ _____	\$ _____
62201-3750	Chain Saw , 600 mm bar length		
	10.0		
	Hour	\$ _____	\$ _____

Bid Schedule A

Project: ID PFH 22-1(11)

CASCADE - WARM LAKE ROAD

Pay Item No.	Estimated Quantity	Unit Bid Price	Amount Bid
62301-0000	General labor 40.0 Hour	\$ _____	\$ _____
62503-0000	Turf establishment 23.00 sly	\$ _____	\$ _____
63302-0000	Sign system 28.90 m2	\$ _____	\$ _____
63309-0300	Delineator, type 3 F, white 856 Each	\$ _____	\$ _____
63309-0300	Delineator, type 3 F, yellow 16 Each	\$ _____	\$ _____
63401-0100	Pavement markings, type A, solid yellow 50,600.0 m	\$ _____	\$ _____
63401-0100	Pavement markings, type A, solid white 88,000.0 m	\$ _____	\$ _____
63401-0200	Pavement markings, type A, broken yellow 25,000.0 m	\$ _____	\$ _____
63502-0400	Temporary traffic control, barricade type 1 10 Each	\$ _____	\$ _____
63502-1000	Temporary traffic control, cone, type 900mm 400 Each	\$ _____	\$ _____
63502-1300	Temporary traffic control, drum 50 Each	\$ _____	\$ _____
63503-0700	Temporary traffic control, pavement markings 64,710.0 m	\$ _____	\$ _____

Bid Schedule A

Project: ID PFH 22-1(11)

CASCADE - WARM LAKE ROAD

Pay Item No.	Estimated Quantity	Unit Bid Price	Amount Bid
63504-1000	Temporary traffic control, construction sign 70.84 m2	\$ _____	\$ _____
63506-0600	Temporary traffic control, pilot car 800.0 Hour	\$ _____	\$ _____
63507-0700	Temporary traffic control, traffic and safety supervisor 190 Day	\$ _____	\$ _____
63509-1000	Temporary traffic control, flagger 5,000.0 Fix hr rate	47.00	235,000.00
63701-0000	Field office 1 Each	\$ _____	\$ _____

TOTAL \$ _____

Submitted by: _____
Name of Bidder

Bid Schedule A

Project: ID PFH 22-1(11)
CASCADE - WARM LAKE ROAD

SOLICITATION PROVISIONS

A. Provisions Incorporated by Reference

52.252-1 Solicitation Provisions Incorporated by Reference

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available; phone (360) 619-7520 and FAX (360) 619-7932. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this site: www.arnet.gov/far/.

I. Representations, Certifications and Other Statements of Offeror (by reference)

52.203-11 Certification and Disclosure Regarding Payments to Influence Certain Federal Transactions (Sep 2007)

52.222-23 Notice of Requirement for Affirmative Action to Ensure Equal Employment Opportunity for Construction (Feb 1999)

(b) Goals for minority participation for each trade 4.4%

Goals for female participation for each trade 6.9%

(e) As used in this Notice, and in any contract resulting from this solicitation, the "covered area" is Valley County, Idaho.

II. Instructions, Conditions and Notices to Offeror (by reference)

52.204-6 Data Universal Numbering System (DUNS) Number (Oct 2003)

52.214-3 Amendments to Invitations for Bids (Dec 1989)

52.214-4 False Statements in Bids (Apr 1984)

52.214-5 Submission of Bids (Mar 1997)

52.214-6 Explanation to Prospective Bidders (Apr 1984)

52.214-7 Late Submissions, Modifications, and Withdrawals of Bids (Nov 1999)

52.214-18 Preparation of Bids - Construction (Apr 1984)

52.214-19 Contract Award - Sealed Bidding - Construction (Aug 1996)

52.214-34 Submission of Offers in the English Language (Apr 1991)

52.214-35 Submission of Offers in U.S. Currency (Apr 1991)

52.236-27 Site Visit (Construction) (Feb 1995)

Signs have not been erected to identify the project limits. No Government personnel will be available for show-me tours. Project photos have been posted on FedBizOpps and are available on CD because bids may be opened before snow melt. To order a CD submit the physical data request form posted on Feb. BizOps with their solicitation.

B. Full Text Provisions

I. Representations, Certifications & Other Statements of Bidders (full text)

Completing FAR provision 52.204-8 Annual Representation and Certifications.

- This solicitation is issued under **NAICS 237310 – Highway, Street & Bridge Construction** with a small business size standard of **\$31 million**. If your average annual gross receipts for the past 3 years are above \$31.0 million you are a large business for this solicitation. If they are below \$31.0 million you are a small business. Please complete the certification listed in paragraph (b).
- Your small business information is pulled into ORCA from the Central Contractor Registration (CCR). Please include NAICS **237310** in the Central Contractor Registration (CCR) at <http://www.ccr.gov/>. Please note that if you are currently using a NAICS code beginning in **234**, you are using an outdated code. Please update your files to **237310 – Highway, Street & Bridge Construction**.
- Before submitting bids, please ensure you have completed your annual representations and certifications electronically at the ORCA website, <http://orca.bpn.gov>.

52.204-8 Annual Representation and Certifications (Jan 2006)

(a) (1) The North American Industry Classification (NAICS) code for this solicitation is **237310 – Highway, Street & Bridge construction** *[insert NAICS code]*.

(2) The small business size standard is **\$31 million** *[insert size standard]*.

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b) (1) If the clause at 52.204-7, Central Contractor Registration, is included in this solicitation, paragraph (c) of this provision applies.

(2) If the clause at 52.204-7 is not included in this solicitation, and the offeror is currently registered in CCR, and has completed the ORCA electronically, the offeror may choose to use paragraph (c) of this provision instead of completing the corresponding individual representations and certifications in the solicitation. The offeror shall indicate which option applies by checking one of the following boxes:

☐ (i) Paragraph (c) applies.

☐ (ii) Paragraph (c) does not apply and the offeror has completed the individual representations and certifications in the solicitation.

(c) The offeror has completed the annual representations and certifications electronically via the **Online Representations and Certifications Application (ORCA)** website at <http://orca.bpn.gov>. After reviewing the ORCA database information, the offeror verifies by submission of the offer that the representations and certifications currently posted electronically have been entered or updated within the last 12 months, are current, accurate, complete, and applicable to this solicitation (including the business size standard applicable to the NAICS code referenced for this solicitation), as of the date of this offer and are incorporated in this offer by reference (see FAR 4.1201); **except for the changes identified below [offeror to insert changes, identifying change by clause number, title, date]**. These amended representation(s) and/or certification(s) are also incorporated in this offer and are current, accurate, and complete as of the date of this offer.

Far Clause #	Title	Date	Change
52.219-1	Small Business Program Representations		Under NAICS Code <u>237310</u> the offeror represents as part of its offer that it () is, () is not a small business.

Any changes provided by the offeror are applicable to this solicitation only, and do not result in an update to the representations and certifications posted on ORCA.

52.225-12 Notice of Buy American Act Requirement -- Construction Materials Under Trade Agreements (Jan 2005) Alternate II (Aug 2007)

(a) Definitions.

“Bahrainian or Mexican construction material” means a construction material that—

- (1) Is wholly the growth, product, or manufacture of Bahrain or Mexico; or
- (2) In the case of a construction material that consists in whole or in part of materials from another country, has been substantially transformed in Bahrain or Mexico into a new and different construction material distinct from the materials from which it was transformed.

“Construction material,” “designated country construction material,” “domestic construction material,” “foreign construction material, and “Mexican construction material” as used in this provision, are defined in the clause of this solicitation entitled “Buy American Act--Construction Materials Under Trade Agreements” (Federal Acquisition Regulation (FAR) clause 52.225-11).

“Mexican construction material” means a construction material that—

- (1) Is wholly the growth, product, or manufacture of Mexico; or
- (2) In the case of a construction material that consists in whole or in part of materials from another country, has been substantially transformed in Mexico into a new and different construction material distinct from the materials from which it was transformed.

(b) Requests for determination of inapplicability. An offeror requesting a determination regarding the inapplicability of the Buy American Act should submit the request to the Contracting Officer in time to allow a determination before submission of offers. The offeror shall include the information and applicable supporting data required by paragraphs (c) and (d) of FAR clause 52.225-11 in the request. If an offeror has not requested a determination regarding the inapplicability of the Buy American Act before submitting its offer, or has not received a response to a previous request, the offeror shall include the information and supporting data in the offer.

(c) Evaluation of offers.

(1) The Government will evaluate an offer requesting exception to the requirements of the Buy American Act, based on claimed unreasonable cost of domestic construction materials, by adding to the offered price the appropriate percentage of the cost of such foreign construction material, as specified in paragraph (b)(4)(i) of FAR clause 52.225-11.

(2) If evaluation results in a tie between an offeror that requested the substitution of foreign construction material based on unreasonable cost and an offeror that did not request an exception, the Contracting Officer will award to the offeror that did not request an exception based on unreasonable cost.

(d) Alternate offers. (1) When an offer includes foreign construction material, except foreign construction material from a designated country other than Bahrain or Mexico, that is not listed by the Government in this solicitation in paragraph (b)(3) of FAR clause 52.225-11, the offeror also may submit an alternate offer based on use of equivalent domestic or designated country construction material other than Bahrainian or Mexican construction material.

(2) If an alternate offer is submitted, the offeror shall submit a separate Standard Form 1442 for the alternate offer, and a separate price comparison table prepared in accordance with paragraphs (c) and (d) of FAR clause 52.225-11 for the offer that is based on the use of any foreign construction material for which the Government has not yet determined an exception applies.

(3) If the Government determines that a particular exception requested in accordance with paragraph (c) of FAR clause 52.225-11 does not apply, the Government will evaluate only those offers based on use of the equivalent domestic or designated country construction material other than Bahrainian or Mexican construction material. An offer based on use of the foreign construction material for which an exception was requested—

- (i) Will be rejected as nonresponsive if this acquisition is conducted by sealed bidding; or
- (ii) May be accepted if revised during negotiations.

Use of Recovered Materials on Federal Lands Highway Projects

Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act (RCRA) of 1976, as amended (42 U.S.C. 6901 *et seq.*), requires Federal, State, and local procuring agencies using appropriated Federal funds to purchase items composed of the highest percentage of recovered materials practical. Use of recovered materials is strongly encouraged on Federal Lands Highway Projects. Highway construction items covered by the Environmental Protection Agency's *Comprehensive Guidelines for Procurement of Products Containing Recovered Materials* include fly ash, ground granulated blast furnace slag, traffic barricades, traffic cones, hydraulic mulch and compost for mulch.

Use of **fly ash** and ground **granulated blast furnace slag** and construction materials containing fly ash and ground granulated blast furnace slag on Federal Lands Highway Projects:

- It is the policy of the United States Government that fly ash and ground granulated blast furnace slag and materials containing fly ash and ground granulated blast furnace slag shall have maximum practicable opportunity for incorporation into its construction projects.
- The Contractor agrees to investigate the use of fly ash and ground granulated blast furnace slag and materials containing fly ash and ground granulated blast furnace slag to the fullest extent consistent with the efficient performance of this contract. Both the contractor and the subcontractors are urged to seek out suppliers of fly ash and ground granulated blast furnace slag, cement and concrete containing fly ash and ground granulated blast furnace slag and to solicit bids for these materials.
- Names of firms that supply fly ash and ground granulated blast furnace slag and materials containing fly ash and ground granulated blast furnace slag are available from the American Coal Ash Association and the National Slag Association.

THE FOLLOWING IS NOT A SOLICITATION PROVISION

PARTNERING

A Partnership recognizes the Government and the Contractor are both responsible for and can affect the successful completion of this project. Partnering is a vehicle to ensure the partnership has structure and quality. It recognizes the strengths of each party and uses those strengths to identify and achieve shared goals. One of the primary objectives of Partnering is to facilitate the resolution of disputes in a timely, professional, and non-adversarial manner with the outcome focused on achieving those shared goals.

WFLHD supports the concepts and tenets of Partnering and as such is encouraging the Contractor and it's Subcontractors to establish a Partnering relationship on this project.

A formal Partnering meeting can help facilitate this relationship by helping to document the parties' common purpose and goals, and ensuring alignment. The goals are mutually agreed to and address effective and efficient performance within the scope of the contract.

Participation in a formal Partnering meeting is voluntary. Costs of implementing and maintaining the partnership would be agreed to by both parties and shared equally. These costs would be in addition to the contract amount.

Please indicate your desire to participate in a formal partnering meeting on this project.

☐ We would like to participate in a formal partnering meeting.

☐ We do not want to participate in a formal partnering meeting.

THE FOLLOWING ARE REQUESTED FOR REPORTING PURPOSES ONLY:

1. Your firm's Dun & Bradstreet Number: _____

2. Your firm's U.S. Representative _____ (insert representative's name)

3. Your Firm's U.S. Representative District _____ (insert the district number)

(To obtain a Dun & Bradstreet number call 800.333.0505.)

(Access US Representative information on-line at www.house.gov/writerep/. Enter your State and zip code to obtain your representative's name and district number.)

II. Instructions, Conditions, and Notices to Bidders - (full text)

52.211-1 Availability of Specifications Listed in the GSA Index of Federal Specifications, Standards and Commercial Item Descriptions, FPMR Part 101-29 (Aug 1998)

(a) The GSA Index of Federal Specifications, Standards and Commercial Item Descriptions, FPMR Part 101-29, and copies of specifications, standards, and commercial item descriptions cited in this solicitation may be obtained for a fee by submitting a request to—

GSA Federal Supply Service
Specifications Section, Suite 8100
470 East L'Enfant Plaza, SW
Washington, DC 20407
Telephone: (202) 619-8925
Facsimile: (202) 619-8978.

(b) If the General Services Administration, Department of Agriculture, or Department of Veterans Affairs issued this solicitation, a single copy of specifications, standards, and commercial item descriptions cited in this solicitation may be obtained free of charge by submitting a request to the addressee in paragraph (a) of this provision. Additional copies will be issued for a fee.

52.211-3 Availability of Specifications Not Listed in the GSA Index of Federal Specifications, Standards and Commercial Item Descriptions (Jun 1988)

The specifications cited in this solicitation may be obtained from:

Activity: **Federal Highway Administration, Western Federal Lands Highway Division**
Complete Address: **610 East Fifth Street, Vancouver, WA 98661-3801**
Telephone Number: **(360) 619-7520**
Contact: **Contracts Section**

The request should identify the solicitation number and the specification requested by date, title, and number, as cited in the solicitation.

52.216-1 Type of Contract (Apr 1984)

The Government contemplates award of a **firm fixed-price** with economic price adjustment contract resulting from this solicitation.

52.222-5 Davis-Bacon Act—Secondary Site of the Work (July 2005)

(a)(1) The offeror shall notify the Government if the offeror intends to perform work at any secondary site of the work, as defined in paragraph (a)(1)(ii) of the FAR clause at 52.222-6, Davis-Bacon Act, of this solicitation.

(2) If the offeror is unsure if a planned work site satisfies the criteria for a secondary site of the work, the offeror shall request a determination from the Contracting Officer.

(b)(1) If the wage determination provided by the Government for work at the primary site of the work is not applicable to the secondary site of the work, the offeror shall request a wage determination from the Contracting Officer.

(2) The due date for receipt of offers will not be extended as a result of an offeror's request for a wage determination for a secondary site of the work.

52.233-2 Service of Protest (Sep 2006)

(a) Protests, as defined in section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the Government Accountability Office (GAO), shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgment of receipt from **Contracting Officer, Contracts Section, Federal Highway Administration, 610 East Fifth Street, Vancouver, WA 98661-3801**.

(b) The copy of any protest shall be received in the office designated above within one day of filing a protest with the GAO.

RESERVED

CONTRACT CLAUSES

1. Clauses Incorporated by Reference

Federal Acquisition Regulation (FAR) clauses begin with “52” and are available online at: www.arnet.gov/far/. Transportation Acquisition Regulation (TAR) clauses begin with “1252” and are available online at: <http://www.dot.gov/ost/m60/tamtar/tar.htm>.

52.252-2 Clauses Incorporated by Reference (Feb 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available; phone (360) 619-7520 and FAX (360) 619-7932. Also, you may access the full text of a clause electronically at this site: www.arnet.gov/far/.

52.202-1	Definitions (Jul 2004)
52.203-3	Gratuities (Apr 1984)
52.203-5	Covenant Against Contingent Fees (Apr 1984)
52.203-6	Restrictions on Subcontractor Sales to the Government (Sep 2006)
52.203-7	Anti-Kickback Procedures (Jul 1995)
52.203-8	Cancellation, Rescission, and Recovery of Funds for Illegal or Improper Activity (Jan 97)
52.203-10	Price or Fee Adjustment for Illegal or Improper Activity (Jan 1997)
52.203-12	Limitation on Payments to Influence Certain Federal Transactions (Sep 2007)
52.203-13	Contractor Code of Business Ethics and Conduct (Dec 2007)
52.203-14	Display of Hotline Poster(s) (Dec 2007)
52.204-4	Printing/Copying Double-Sided on Recycled Paper (Aug 2000)
52.204-7	Central Contractor Registration (Jul 2006)
52.209-6	Protecting the Government's Interest When Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment (Sep 2006)
52.211-12	Liquidated Damages - Construction (Sep 2000)
	(a) If the Contractor fails to complete the work within the time specified in the contract, the Contractor shall pay liquidated damages to the Government in the amount of: <u>See Special Contract Requirements, Subsection 108.04</u>.
52.211-18	Variation in Estimated Quantity (Apr 1984)
52.214-26	Audit and Records - Sealed Bidding (Oct 1997)
52.214-27	Price Reduction for Defective Cost or Pricing Data-Modifications-Sealed Bidding (Oct 1997)
52.214-28	Subcontractor Cost or Pricing Data-Modifications-Sealed Bidding (Oct 1997)
52.219-4	Notice of Price Evaluation Preference for HUBZone Small Business Concerns (Jul 2005)
	<i>(See note in FAR Clause 52.236-1.) (See special contract requirement 108.02A, which incorporates increased minimum work requirements.)</i>
	(c) Waiver of evaluation preference. A HUBZone small business concern may elect to waive the evaluation preference, in which case the factor will be added to its offer for evaluation purposes. The agreements in paragraph (d) of this clause do not apply if the offeror has waived the evaluation preference.
	() Offeror elects to waive the evaluation preference.
52.219-8	Utilization of Small Business Concerns (May 2004)
52.219-9	Small Business Subcontracting Plan (Nov 2007) - Alternate 1 (Oct 2001)

52.219-16	Liquidated Damages-Subcontracting Plan (Jan 1999)
52.222-3	Convict Labor (Jun 2003)
52.222-4	Contract Work Hours and Safety Standards Act - Overtime Compensation (Sep 2006)
52.222-6	Davis-Bacon Act (Jul 2005)
52.222-7	Withholding of Funds (Feb 1988)
52.222-8	Payrolls and Basic Records (Feb 1988)
52.222-9	Apprentices and Trainees (Jul 2005)
52.222-10	Compliance with Copeland Act Requirements (Feb 1988)
52.222-11	Subcontracts (Labor Standards) (Jul 2005)
52.222-12	Contract Termination - Debarment (Feb 1988)
52.222-13	Compliance with Davis-Bacon and Related Act Regulations (Feb 1988)
52.222-14	Disputes Concerning Labor Standards (Feb 1988)
52.222-15	Certification of Eligibility (Feb 1988)
52.222-21	Prohibition of Segregated Facilities (Feb 1999)
52.222-26	Equal Opportunity (Mar 2007)
52.222-27	Affirmative Action Compliance Requirements for Construction (Feb 1999)
52.222-35	Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (Sep 2006)
52.222-36	Affirmative Action for Workers with Disabilities (Jun 1998)
52.222-37	Employment Reports on Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (Sep 2006)
52.222-50	Combating Trafficking in Persons (Aug 2007)
52.223-3	Hazardous Material Identification and Material Safety Data (Jan 1997)
	Alternate I (July 1995)
52.223-6	Drug-free Workplace (May 2001)
52.223-14	Toxic Chemical Release Reporting (Aug 2003)
52.225-13	Restrictions on Certain Foreign Purchases (Feb 2006)
52.227-1	Authorization and Consent (Dec 2007)
52.227-2	Notice and Assistance Regarding Patent and Copyright Infringement (Dec 2007)
52.227-4	Patent Indemnity - Construction Contracts (Dec 2007)
52.228-1	Bid Guarantee (Sep 1996)
	(c) The amount of the bid guarantee shall be <u>20</u> percent of the bid price or <u>\$3 million</u> whichever is less.
	(d)furnish executed bond(s) within <u>10</u> days after receipt of the forms ...
52.228-2	Additional Bond Security (Oct 1997)
52.228-11	Pledges of Assets (Feb 1990)
52.228-12	Prospective Subcontractor Requests for Bonds (Oct 1995)
52.228-14	Irrevocable Letter of Credit (Dec 1999)
52.228-15	Performance and Payment Bonds - Construction (Nov 2006)
52.229-3	Federal, State, and Local Taxes (Apr 2003)
52.232-5	Payments under Fixed-Price Construction Contracts (Sep 2002)
52.232-17	Interest (Jun 1996)
52.232-23	Assignment of Claims (Jan 1986)
52.232-27	Prompt Payment for Construction Contracts (Sep 2005)
52.232-34	Payment by Electronic Funds Transfer-Other than Central Contractor Registration (May 1999)
52.232-35	Designation of Office for Government Receipt of Electronic Funds Transfer Information (May 1999)
	Name: Contracts Section
	Mailing Address: Federal Highway Administration, 610 East Fifth Street, Vancouver, WA 98661-3801

Telephone Number: **360.619.7520**
 Person to Contact: **Contracting Officer**
 Electronic Address: **contracts@mail.wfl.fhwa.dot.gov**

- 52.233-1 Disputes (July 2002) - Alternate 1 (Dec 1991)
- 52.233-3 Protest after Award (Aug 1996)
- 52.233-4 Applicable Law for Breach of Contract Claim (Oct 2004)
- 52.236-1 Performance of Work by the Contractor (Apr 1984)
 (NOTE: This clause does not apply when award is made to other than the low bidder after applying the price evaluation preference for HUBZone small business concerns under FAR clause 52.219-4, in which case the percentage at SCR 108.02A will control.)
The Contractor shall perform on the site, and with its own organization, work equivalent to at least thirty five (35) percent of the total amount of work to be performed under the contract.
- 52.236-2 Differing Site Conditions (Apr 1984)
- 52.236-3 Site Investigation and Conditions Affecting the Work (Apr 1984)
- 52.236-5 Material and Workmanship (Apr 1984)
- 52.236-6 Superintendence by the Contractor (Apr 1984)
- 52.236-7 Permits and Responsibilities (Nov 1991)
- 52.236-8 Other Contracts (Apr 1984)
- 52.236-9 Protection of Existing Vegetation, Structures, Equipment, Utilities and Improvements (Apr 1984)
- 52.236-10 Operations and Storage Areas (Apr 1984)
- 52.236-11 Use and Possession Prior to Completion (Apr 1984)
- 52.236-12 Cleaning up (Apr 1984)
- 52.236-13 Accident Prevention (Nov 1991) - Alternate 1 (Nov 1991)
- 52.236-15 Schedules for Construction Contracts (Apr 1984)
- 52.236-17 Layout of Work (Apr 1984)
- 52.236-21 Specifications and Drawings for Construction (Feb 1997) Alt II (Apr 1984)
- 52.236-26 Preconstruction Conference (Feb 1995)
- 52.242-13 Bankruptcy (Jul 1995)
- 52.242-14 Suspension of Work (Apr 1984)
- 52.243-4 Changes (June 2007)
- 52.244-2 Subcontracts (June 2007)
- 52.244-6 Subcontracts for Commercial Items (Sep 2006)
- 52.245-1 Government Property (June 2007) Alternate I (June 2007)
- 52.245-9 Uses and Charges (June 2007)
- 52.246-12 Inspection of Construction (Aug 1996)
- 52.247-64 Preference for Privately Owned U.S. Flag Commercial Vessels (Feb 2006)
- 52.248-3 Value Engineering - Construction (Sep 2006) Alternate 1 (Apr 1984)
- 52.249-2 Termination for Convenience of the Government (Fixed Price) (May 2004)--
 Alternate 1 (Sep 1996)
- 52.249-10 Default (Fixed-Price Construction) (Apr 1984)
- 52.253-1 Computer Generated Forms (Jan 1991)
- 1252.211-70 Index for Specifications (Apr 2005)
- 1252.216-70 Evaluation of Offers Subject of an Economic Price Adjustment Clause (Oct 1994)
- 1252.223-71 Accident and Fire Reporting (Apr 2005)
- 1252.223-73 Seat Belt Use Policies and Programs (Apr 2005)
- 1252.228-73 Notification of Miller Act Payment Bond Protection (Apr 2005)

(c) The surety which has provided the payment bond under the prime contract is:

_____(name)
 _____(Street Address)
 _____(City, State, Zip Code)

(Contact & Telephone number)

[to be completed by Contracting Officer once info is known]

1252.242-73 Contracting Officer's Technical Representative (Oct 1994)

1252.245-70 Government Property Reports (Oct 1994)

2. Full Text Clauses**52.204-1 Approval of Contract (Dec 1989)**

This contract is subject to the written approval of the Western Federal Lands' Division Engineer (or delegate) or one level above the Contracting Officer, and shall not be binding until so approved.

52.211-10 Commencement, Prosecution, and Completion of Work (Apr 1984) Alternate I (Apr 1984)

The Contractor shall be required to (a) commence work under this contract within 10 calendar days after the date the Contractor receives the notice to proceed, (b) prosecute the work diligently, and (c) complete the entire work ready for use not later than **8/10/2009** subject to such extensions as may be authorized. The time stated for completion shall include final cleanup of the premises.

The completion date is based on the assumption that the successful offeror will receive the notice to proceed by **6/23/2008**. The completion date will be extended by the number of calendar days after the above date that the contractor receives the notice to proceed, except to the extent that the delay in issuance of the notice to proceed results from the failure of the contractor to execute the contract and give the required performance and payment bonds within the time specified in the offer.

52.219-28 Post-Award Small Business Program Re-Representation (June 2007)

(a) *Definitions.* As used in this clause –

“Long term contract” means a contract of more than five years in duration, including options. However, the term does not include contracts that exceed five years in duration because the period of performance has been extended for a cumulative period not to exceed six months under the clause 52.217-8, Option to Extend Services, or other appropriate authority.

“Small business concern” means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR part 121 and the size standard in paragraph (c) of this clause.

(b) If the Contractor represented that it was a small business concern prior to award of this contract, the Contractor shall re-represent its size status according to paragraph (e) of this clause or, if applicable, paragraph (g) of this clause, upon the occurrence of any of the following:

(1) Within 30 days after execution of a novation agreement or within 30 days after modification of the contract to include this clause, if the novation agreement was executed prior to inclusion of this clause in the contract.

(2) Within 30 days after a merger or acquisition that does not require a novation or within 30 days after modification of the contract to include this clause, if the merger or acquisition occurred prior to inclusion of this clause in the contract.

(3) For long-term contracts ---

(i) Within 60 to 120 days prior to the end of the fifth year of the contract; and

(ii) Within 60 to 120 days prior to the exercise date specified in the contract for any option thereafter.

(c) The Contractor shall re-represent its size status in accordance with the size standard in effect at the time of this re-representation that corresponds to the North American Industry Classification System

(NAICS) code assigned to this contract. The small business size standard corresponding to this NAICS code can be found at <http://www.sba.gov/services/contractingopportunities/sizestandardstopics/>.

(d) The small business size standard for a Contractor providing a product which it does not manufacture itself, for a contract other than a construction or service contract, is 500 employees.

(e) Except as provided in paragraph (g) of this clause, the Contractor shall make the re-representation required by paragraph (b) of this clause by validating or updating all its representations in the Online Representations and Certifications Application and its data in the Central Contractor Registration, as necessary, to ensure they reflect current status. The Contractor shall notify the contracting office by email, or otherwise in writing, that the data have been validated or updated, and provide the date of the validation or update.

(f) If the Contractor represented that it was other than a small business concern prior to award of this contract, the Contractor may, but is not required to, take the actions required by paragraphs (e) or (g) of this clause,

(g) If the Contractor does not have representations and certifications in ORCA, or does not have a representation in ORCA for the NAICS code applicable to this contract, the Contractor is required to complete the following re-representation and submit it to the contracting office, along with the contract number and the date on which the re-representation was completed:

(NOTE: Do not complete this clause at time of initial offer/bid.)

The Contractor represents that it ()is ()is **not** a small business concern under NAICS Code 237310 (Highway/Bridge construction) assigned to contract number_____.

Name: _____

Title: _____

Date: _____ Signature: _____

[Contractor to sign and date and insert authorized signer's name and title.]

52.222-39 Notification of Employee Rights Concerning Payment of Union Dues or Fees (Dec 2004)

(a) *Definition.* As used in this clause—

“United States” means the 50 States, the District of Columbia, Puerto Rico, the Northern Mariana Islands, American Samoa, Guam, the U.S. Virgin Islands, and Wake Island.

(b) Except as provided in paragraph (e) of this clause, during the term of this contract, the Contractor shall post a notice, in the form of a poster, informing employees of their rights concerning union membership and payment of union dues and fees, in conspicuous places in and about all its plants and offices, including all places where notices to employees are customarily posted. The notice shall include the following information (except that the information pertaining to National Labor Relations Board shall not be included in notices posted in the plants or offices of carriers subject to the Railway Labor Act, as amended (45 U.S.C. 151-188)).

Notice to Employees

Under Federal law, employees cannot be required to join a union or maintain membership in a union in order to retain their jobs. Under certain conditions, the law permits a union and an employer to enter into a union-security agreement requiring employees to pay uniform periodic dues and initiation fees. However, employees who are not union members can object to the use of their payments for certain purposes and can only be required to pay their share of union costs relating to collective bargaining, contract administration, and grievance adjustment.

If you do not want to pay that portion of dues or fees used to support activities not related to collective bargaining, contract administration, or grievance adjustment, you are entitled to an appropriate reduction in your payment. If you believe that you have been required to pay dues or fees used in part to support activities not related to collective bargaining, contract administration, or

grievance adjustment, you may be entitled to a refund and to an appropriate reduction in future payments.

For further information concerning your rights, you may wish to contact the National Labor Relations Board (NLRB) either at one of its Regional offices or at the following address or toll free number:

National Labor Relations Board
Division of Information
1099 14th Street, N.W.
Washington, DC 20570
1-866-667-6572
1-866-316-6572 (TTY)

To locate the nearest NLRB office, see NLRB's website at <http://www.nlrb.gov>.

(c) The Contractor shall comply with all provisions of Executive Order 13201 of February 17, 2001, and related implementing regulations at 29 CFR Part 470, and orders of the Secretary of Labor.

(d) In the event that the Contractor does not comply with any of the requirements set forth in paragraphs (b), (c), or (g), the Secretary may direct that this contract be cancelled, terminated, or suspended in whole or in part, and declare the Contractor ineligible for further Government contracts in accordance with procedures at 29 CFR Part 470, Subpart B—Compliance Evaluations, Complaint Investigations and Enforcement Procedures. Such other sanctions or remedies may be imposed as are provided by 29 CFR Part 470, which implements Executive Order 13201, or as are otherwise provided by law.

(e) The requirement to post the employee notice in paragraph (b) does not apply to—

- (1) Contractors and subcontractors that employ fewer than 15 persons;
- (2) Contractor establishments or construction work sites where no union has been formally recognized by the Contractor or certified as the exclusive bargaining representative of the Contractor's employees;
- (3) Contractor establishments or construction work sites located in a jurisdiction named in the definition of the United States in which the law of that jurisdiction forbids enforcement of union-security agreements;
- (4) Contractor facilities where upon the written request of the Contractor, the Department of Labor Deputy Assistant Secretary for Labor-Management Programs has waived the posting requirements with respect to any of the Contractor's facilities if the Deputy Assistant Secretary finds that the Contractor has demonstrated that—
 - (i) The facility is in all respects separate and distinct from activities of the Contractor related to the performance of a contract; and
 - (ii) Such a waiver will not interfere with or impede the effectuation of the Executive order; or
- (5) Work outside the United States that does not involve the recruitment or employment of workers within the United States.

(f) The Department of Labor publishes the official employee notice in two variations; one for contractors covered by the Railway Labor Act and a second for all other contractors. The Contractor shall—

- (1) Obtain the required employee notice poster from the Division of Interpretations and Standards, Office of Labor-Management Standards, U.S. Department of Labor, 200 Constitution Avenue, NW, Room N-5605, Washington, DC 20210, or from any field office of the Department's Office of Labor-Management Standards or Office of Federal Contract Compliance Programs;
- (2) Download a copy of the poster from the Office of Labor-Management Standards website at <http://www.olms.dol.gov>; or

(3) Reproduce and use exact duplicate copies of the Department of Labor's official poster.

(g) The Contractor shall include the substance of this clause in every subcontract or purchase order that exceeds the simplified acquisition threshold, entered into in connection with this contract, unless exempted by the Department of Labor Deputy Assistant Secretary for Labor-Management Programs on account of special circumstances in the national interest under authority of 29 CFR 470.3(c). For indefinite quantity subcontracts, the Contractor shall include the substance of this clause if the value of orders in any calendar year of the subcontract is expected to exceed the simplified acquisition threshold. Pursuant to 29 CFR Part 470, Subpart B—Compliance Evaluations, Complaint Investigations and Enforcement Procedures, the Secretary of Labor may direct the Contractor to take such action in the enforcement of these regulations, including the imposition of sanctions for noncompliance with respect to any such subcontract or purchase order. If the Contractor becomes involved in litigation with a subcontractor or vendor, or is threatened with such involvement, as a result of such direction, the Contractor may request the United States, through the Secretary of Labor, to enter into such litigation to protect the interests of the United States.

**52.225-11 Buy American Act—Construction Materials under Trade Agreements (Aug 2007)
Alternate I (Aug 2007)**

(a) *Definitions.* As used in this clause—

“Bahrainian or Mexican construction material” means a construction material that—

- (1) Is wholly the growth, product, or manufacture of Bahrain or Mexican; or
- (2) In the case of a construction material that consists in whole or in part of materials from another country, has been substantially transformed in Bahrain or Mexico into a new and different construction material distinct from the materials from which it was transformed.

“Caribbean Basin country construction material” means a construction material that—

- (1) Is wholly the growth, product, or manufacture of a Caribbean Basin country; or
- (2) In the case of a construction material that consists in whole or in part of materials from another country, has been substantially transformed in a Caribbean Basin country into a new and different construction material distinct from the materials from which it was transformed.

“Component” means an article, material, or supply incorporated directly into a construction material.

“Construction material” means an article, material, or supply brought to the construction site by the Contractor or subcontractor for incorporation into the building or work. The term also includes an item brought to the site preassembled from articles, materials, or supplies. However, emergency life safety systems, such as emergency lighting, fire alarm, and audio evacuation systems, that are discrete systems incorporated into a public building or work and that are produced as complete systems, are evaluated as a single and distinct construction material regardless of when or how the individual parts or components of those systems are delivered to the construction site. Materials purchased directly by the Government are supplies, not construction material.

“Cost of components” means—

- (1) For components purchased by the Contractor, the acquisition cost, including transportation costs to the place of incorporation into the construction material (whether or not such costs are paid to a domestic firm), and any applicable duty (whether or not a duty-free entry certificate is issued); or
- (2) For components manufactured by the Contractor, all costs associated with the manufacture of the component, including transportation costs as described in paragraph (1) of this definition, plus allocable overhead costs, but excluding profit. Cost of components does not include any costs associated with the manufacture of the construction material.

“Designated country” means any of the following countries:

- (1) A World Trade Organization Government Procurement Agreement country (Aruba, Austria, Belgium, Bulgaria, Canada, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hong Kong, Hungary, Iceland, Ireland, Israel, Italy, Japan, Korea (Republic of), Latvia,

Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Singapore, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, or United Kingdom);

(2) A Free Trade Agreement country (Australia, Bahrain, Canada, Chile, Dominican Republic, El Salvador, Guatemala, Honduras, Mexico, Morocco, Nicaragua, or Singapore);

(3) A least developed country (Afghanistan, Angola, Bangladesh, Benin, Bhutan, Burkina Faso, Burundi, Cambodia, Cape Verde, Central African Republic, Chad, Comoros, Democratic Republic of Congo, Djibouti, East Timor, Equatorial Guinea, Eritrea, Ethiopia, Gambia, Guinea, Guinea-Bissau, Haiti, Kiribati, Laos, Lesotho, Madagascar, Malawi, Maldives, Mali, Mauritania, Mozambique, Nepal, Niger, Rwanda, Samoa, Sao Tome and Principe, Senegal, Sierra Leone, Solomon Islands, Somalia, Tanzania, Togo, Tuvalu, Uganda, Vanuatu, Yemen, or Zambia); or

(4) A Caribbean Basin country (Antigua and Barbuda, Aruba, Bahamas, Barbados, Belize, British Virgin Islands, Costa Rica, Dominica, Grenada, Guyana, Haiti, Jamaica, Montserrat, Netherlands Antilles, St. Kitts and Nevis, St. Lucia, St. Vincent and the Grenadines, or Trinidad and Tobago).

“Designated country construction material” means a construction material that is a WTO GPA country construction material, an FTA country construction material, a least developed country construction material, or a Caribbean Basin country construction material.

“Domestic construction material” means—

- (1) An unmanufactured construction material mined or produced in the United States; or
- (2) A construction material manufactured in the United States, if the cost of its components mined, produced, or manufactured in the United States exceeds 50 percent of the cost of all its components. Components of foreign origin of the same class or kind for which nonavailability determinations have been made are treated as domestic.

“Foreign construction material” means a construction material other than a domestic construction material.

“Free Trade Agreement country construction material” means a construction material that—

- (1) Is wholly the growth, product, or manufacture of a Free Trade Agreement (FTA) country; or
- (2) In the case of a construction material that consists in whole or in part of materials from another country, has been substantially transformed in a FTA country into a new and different construction material distinct from the materials from which it was transformed.

“Least developed country construction material” means a construction material that—

- (1) Is wholly the growth, product, or manufacture of a least developed country; or
- (2) In the case of a construction material that consists in whole or in part of materials from another country, has been substantially transformed in a least developed country into a new and different construction material distinct from the materials from which it was transformed.

“Mexican construction material” means a construction material that—

- (1) Is wholly the growth, product, or manufacture of Mexico; or
- (2) In the case of a construction material that consists in whole or in part of materials from another country, has been substantially transformed in Mexico into a new and different construction material distinct from the materials from which it was transformed.

“United States” means the 50 States, the District of Columbia, and outlying areas.

“WTO GPA country construction material” means a construction material that—

- (1) Is wholly the growth, product, or manufacture of a WTO GPA country; or
- (2) In the case of a construction material that consists in whole or in part of materials from another country, has been substantially transformed in a WTO GPA country into a new and different construction material distinct from the materials from which it was transformed.

(b) Construction materials.

(1) This clause implements the Buy American Act (41 U.S.C. 10a - 10d) by providing a preference for domestic construction material. In addition, the Contracting Officer has determined that the WTO GPA and all the Free Trade Agreements except NAFTA apply to this acquisition. Therefore, the Buy American Act restrictions are waived for designated country construction materials other than Bahrainian or Mexican construction materials.

(2) The Contractor shall use only domestic or designated country construction material other than Bahrainian or Mexican construction material in performing this contract, except as provided in paragraphs (b)(3) and (b)(4) of this clause.

(3) The requirement in paragraph (b)(2) of this clause does not apply to the construction materials or components listed by the Government as follows:

[Contracting Officer to list applicable excepted materials or indicate "none"]

(4) The Contracting Officer may add other foreign construction material to the list in paragraph (b)(3) of this clause if the Government determines that—

- (i) The cost of domestic construction material would be unreasonable. The cost of a particular domestic construction material subject to the restrictions of the Buy American Act is unreasonable when the cost of such material exceeds the cost of foreign material by more than 6 percent;
 - (ii) The application of the restriction of the Buy American Act to a particular construction material would be impracticable or inconsistent with the public interest; or
 - (iii) The construction material is not mined, produced, or manufactured in the United States in sufficient and reasonably available commercial quantities of a satisfactory quality.
- (c) Request for determination of inapplicability of the Buy American Act.

(1) (i) Any Contractor request to use foreign construction material in accordance with paragraph (b)(4) of this clause shall include adequate information for Government evaluation of the request, including—

- (A) A description of the foreign and domestic construction materials;
- (B) Unit of measure;
- (C) Quantity;
- (D) Price;
- (E) Time of delivery or availability;
- (F) Location of the construction project;
- (G) Name and address of the proposed supplier; and
- (H) A detailed justification of the reason for use of foreign construction materials cited in accordance with paragraph (b)(3) of this clause.

(ii) A request based on unreasonable cost shall include a reasonable survey of the market and a completed price comparison table in the format in paragraph (d) of this clause.

(iii) The price of construction material shall include all delivery costs to the construction site and any applicable duty (whether or not a duty-free certificate may be issued).

(iv) Any Contractor request for a determination submitted after contract award shall explain why the Contractor could not reasonably foresee the need for such determination and could not have requested the determination before contract award. If the Contractor does not submit a satisfactory explanation, the Contracting Officer need not make a determination.

(2) If the Government determines after contract award that an exception to the Buy American Act applies and the Contracting Officer and the Contractor negotiate adequate consideration, the Contracting Officer will modify the contract to allow use of the foreign construction material. However, when the basis for the exception is the unreasonable price of a domestic construction material, adequate consideration is not less than the differential established in paragraph (b)(4)(i) of this clause.

(3) Unless the Government determines that an exception to the Buy American Act applies, use of foreign construction material is noncompliant with the Buy American Act.

(d) *Data.* To permit evaluation of requests under paragraph (c) of this clause based on unreasonable cost, the Contractor shall include the following information and any applicable supporting data based on the survey of suppliers:

Foreign and Domestic Construction Materials Price Comparison

<u>Construction Material Description</u>	<u>Unit of Measure</u>	<u>Quantity</u>	<u>Price (Dollars)*</u>
--	------------------------	-----------------	-------------------------

Item 1:

Foreign construction material	_____	_____	_____
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Domestic construction material	_____	_____	_____
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Item 2:

Foreign construction material	_____	_____	_____
-------------------------------	-------	-------	-------

Domestic construction material	_____	_____	_____
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[List name, address, telephone number, and contact for suppliers surveyed. Attach copy of response; if oral, attach summary.]

[Include other applicable supporting information.]

[* Include all delivery costs to the construction site and any applicable duty (whether or not a duty-free entry certificate is issued).]

52.236-4 Physical Data (Apr 1984)

Data and information furnished or referred to below is for the Contractor's information. The Government shall not be responsible for any interpretation of or conclusion drawn from the data or information by the Contractor.

(a) The indications of physical conditions on the drawings and in the specifications are the result of site investigations by: N/A.

(b) Weather conditions: N/A.

(c) Transportation facilities: N/A.

(d) Hydrological data consisting of flow rates, water surface elevations, velocities, and hydraulic permit information may be inspected at Western Federal Lands Highway Division, Contracts Section, 610 East Fifth Street, Vancouver, Washington 98661.

(e) Geotechnical data, subsurface investigation information, and design data, consisting of the following, may be obtained upon request. Written requests are required and may be submitted to the Contracts Section at the above address, by FAX at (360) 619-7932, or by e-mail at contracts@mail.wfl.fhwa.dot.gov.

(1) Geotechnical Report 01-04, Geotechnical Investigation for Cascade-Warm Lake Road, Project ID PFH 22-1(10)

(2) Geotechnical Memorandum GM 01-06m Cascade Warm Lake Quarry Update, ID PFH 22-1(10)

(3) Information: GM#01-08, ID PFH 22-1(11), Cascade Warm Lake Geotechnical Revision Summary

(4) Geotechnical Memorandum 17-06, Information: Cascade-Warm Lake Road, Subgrade Moisture Investigation, ID PFH 22-1(10)

(5) Photos – Book 1, Part 1,

(6) Photos – Book 1, Part 2

(7) Photos – Book 2

GENERAL DECISION: **ID20080015** 02/08/2008 ID15

Date: February 8, 2008

General Decision Number: **ID20080015** 02/08/2008

Superseded General Decision Number: ID20070022

State: Idaho

Construction Type: Highway

Counties: Adams, Bear Lake, Benewah, Bingham, Blaine, Bonner, Bonneville, Boundary, Butte, Camas, Caribou, Cassia, Clark, Clearwater, Custer, Elmore, Fremont, Gooding, Idaho, Jefferson, Jerome, Kootenai, Latah, Lemhi, Lewis, Lincoln, Madison, Minidoka, Nez Perce, Oneida, Payette, Shoshone, Teton, Twin Falls, Valley and Washington Counties in Idaho.

Modification Number	Publication Date
0	02/08/2008

CARP0001-011 06/01/2007

BENEWAH, BONNER, BOUNDARY, CLEARWATER, IDAHO (NORHT OF THE 46TH PARALLEL), KOOTENAI, LATAH, LEWIS, NEZ PERCE AND SHOSHONE COUNTIES

	Rates	Fringes
CARPENTER.....	\$ 25.01	9.30

ZONE PAY:

ZONE 1	0-40 MILES	FREE
ZONE 2	41-65 MILES	\$2.25/PER HOUR
ZONE 3	66-100 MILES	\$3.25/PER HOUR
ZONE 4	OVER 100 MILES	\$4.75/PER HOUR

DISPATCH POINTS:

PASCO (2819 W. SYLVESTER) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

SPOKANE (127 E. AUGUSTA AVE.) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

WENATCHEE (27 N. CHELAN) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

COEUR D' ALENE (1839 N. GOVERNMENT WAY) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

MOSCOW (302 N. JACKSON) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

* CARP0808-007 01/01/2008

ADAMS, BEAR LAKE, BINGHAN, BUTTE, BONNEVILLE, CAMAS, CARIBOU, CASSIA, CLARK, CUSTER, ELMORE, FRANKLIN, FREMONT, GOODING, IDAHO (SOUTH OF THE 46TH PARALLEL), JEFFERSON, JEROME, LEMHI, LINCOLN, MADISON, MINIDOKA, ONEIDA, PAYETTE, TETON, TWIN FALLS, VALLEY AND WASHINGTON COUNTIES.

	Rates	Fringes
CARPENTER.....	\$ 23.92	8.10

If a project is located in more than one zone the lower zone rate shall apply

Zone Differential (add to Zone 1 rate): Zone 2 - \$1.50

Zone 1: That area within the State of Idaho located within 30 miles on either side of I-84 from the Oregon-Idaho State Line on the West to the Intersection of I-84 and I-86 in Cassia County, then following I-86 to Pocatello, then following I-15 to Idaho Falls, then following State Highway #20 - 10 miles north to the intersection with Moody Road then following I-15 south from the city of Pocatello to a point 10 miles South of the Southern Boundary of Bannock County extended to the West.

Zone 2: The remaining area of that portion of the State of Idaho south of Parallel 46 (the Washington-Oregon State Line extended eastward to Montana) that is not included in Zone 1 as described above.

ELEC0073-007 07/01/2007

IDAHO (SOUTH OF THE 46TH PARALLEL) COUNTY

	Rates	Fringes
Cable splicer.....	\$ 25.87	3%+12.03
ELECTRICIAN.....	\$ 25.47	3%+12.03

ELEC0073-008 07/01/2007

BENEWAH, BONNER, BOUNDARY, CLEARWATER, IDAHO(NORTH OF THE 46TH PARALLEL), KOOTENAI, LATAH, LEWIS, NEZ PERCE AND SHOSHONE COUNTIES

	Rates	Fringes
Cable Splicer.....	\$ 25.87	3%+12.03
ELECTRICIAN.....	\$ 25.47	3%+12.03

ELEC0291-009 06/01/2007

ADAMS, ELMORE, PAYETTE, VALLEY AND WASHINGTON COUNTIES

	Rates	Fringes
Cable Splicer.....	\$ 29.88	3%+\$9.04
ELECTRICIAN.....	\$ 27.16	3%+\$9.04

ELEC0449-006 06/01/2007

BLAINE, CAMAS, CASSIA, GOODING, JEROME, LINCOLN, MINIDOKA AND
TWIN FALLS COUNTIES

	Rates	Fringes
ELECTRICIAN		
CONTRACTS \$500,00 AND UNDER.\$	20.65	5%+\$7.35
CONTRACTS OVER \$500,000.....\$	21.78	5%+\$7.65

ELEC0449-008 06/01/2007

BEAR LAKE, BINGHAM, BONNEVILLE, BUTTE, CARIBOU, CLARK, CUSTER,
FRANKLIN, FREMONT, JEFFERSON, LEMHI, MADISON, ONEIDA AND TETON
COUNTIES

	Rates	Fringes
ELECTRICIAN.....\$	25.70	5%+\$9.00

* ENGI0370-001 01/01/2008

ADAMS, BEAR LAKE, BINGHAM, BLAINE, BONNEVILLE, BUTTE, CAMAS,
CARIBOU, CASSIA, CLARK, CUSTER, ELMORE, FREMONT, GOODING, IDAHO
(SOUTH OF THE 46TH PARALLEL), JEFFERSON, JEROME, LEMHI,
LINCOLN, MADISON, MINIDOKA, ONEIDA, PAYETTE, TETON, TWIN FALLS,
VALLEY AND WASHINGTON COUNTIES

AREA 2:(Anyone working on HAZMAT jobs working with supplied air
shall receive \$1.00 per hour above classification)

THERE IS A HAZMAT CLASSIFICATION INCLUDED IN EACH GROUP

POWER EQUIPMENT OPERATORS:

ZONE 1:

	Rates	Fringes
Power equipment operators:		
GROUP 1.....\$	23.01	8.35
GROUP 2.....\$	23.17	8.35
GROUP 3.....\$	23.54	8.35
GROUP 4.....\$	23.85	8.35
GROUP 5.....\$	24.02	8.35
GROUP 6.....\$	24.19	8.35
GROUP 7.....\$	24.56	8.35
GROUP 8.....\$	24.79	8.35
GROUP 9.....\$	25.02	8.35
GROUP 10.....\$	25.27	8.35

If a project is located in more than one zone the lower zone
rate shall apply

Zone Differential (Add to Zone 1 rate): Zone 2 - \$1.50

Zone 1: That area within the State of Idaho located within
30 miles on either side of I-84 from the Oregon-Idaho State
Line on the West to the Intersection of I-84 and I-86 in

Cassia County, then following I-86 to Pocatello, then following I-15 to Idaho Falls, then following State Highway #20 - 10 miles north to the intersection with Moody Road then following I-15 south from the city of Pocatello to a point 10 miles South of the Southern Boundary of Bannock County extended to the West.

Zone 2: The remaining area of that portion of the State of Idaho south of Parallel 46 (the Washington-Oregon State Line extended eastward to Montana) that is not included in Zone 1 as described

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Brakeman; Crusher Plant Feeder (Mechanical); Deckhand; Grade Checker; Heater Tender; Land Plane; Pumpman; Rear Chainman

GROUP 2: Air Compressor; Assistant Refrigeration Plant Operator; Bell Boy; Bit Grinder Operator; Blower Operator (cement); Bolt Threader Machine Operator; Broom; Cement Hog; Concrete Mixer; Concrete Saw multiple cut; Discing - Harrowing or Mulching (regardless of motive power); Distributor Leverman; Drill Steel Threader Machine Operator; Fireman-all; Hoist-single drum; Hydraulic Monitor Operator-skid mounted; Oiler (single piece of equipment); Crusher Oiler; Pugmixer-Box Operator; Spray Curing Machine; Tractor-rubber tired farm type using attachments

GROUP 3: A-Frame Truck (hydra lift, Swedish Cranes, Ross Carrier, Hyster on construction jobs); Battery Tunnel Locomotive; Belt Finishing Machine; Cable Tenders (underground); Chip Spreader Machine (self-propelled); Hoist-2 or more drums or Tower Hoist; Hydralift-Fork lift & similar (when hoisting); Oilers (underground); Power Loader (bucket elevator conveyors); Rodman; Road Roller (regardless of motive power)

GROUP 4: Boring Machines (earth or rock); Quarrymaster-Joy-tractor mounted, Drills: Churn-Core-Calyx or Diamond; Front End & Overhead Loaders and similar machines-(up to and including 4 yds)(rubber-tired); Grout Pump; Hydra-Hammer; Locomotive Engineer; Longitudinal Float Machine; Mobilemixer; Spreader Machine; Tractor-rubber tired-using Backhoe, Transverse Finishing Machine; Trenching Machines; Waggoner Compactor and similar; Asphalt Spreaders; Groundman on Rotomill

GROUP 5: Concrete Plant Operator; Concrete Road Paver (dual); Elevating Grader Operator; Euclid Elevating Loader; Generator Plant Operator-Mechanic (diesel electric); Post Hole Auger or Punch Operator; Power Shovels, Backhoes and Draglines (under 3/4 yd); Pumpcrete; Refrigeration Plant Operator(1000 tons and under; Road Roller(finishing high type pavement); Service Equipment Oiler; Skidder-rubber tired; Sub Grader; Multiple Station Beltline Operator; Screed Operator

GROUP 6: Asphalt Pavers-self propelled; Asphalt Plant Operator; Blade Operator (motor patrol); Concrete Slip Form

Paver; Cranes - up to and including 50 ton; Crusher Plant Operator; Derrick Operator; Drilling Equipment (bit under 8 inches) - Robbins Reverse Circulation and similar; Front End and Overhead Loaders and similar machines-over 4 yds to and including 7 yds; Koehring Scooper; Heavy Duty Mechanic or Welder; Mucking Machine (underground); Multi-batch Concrete Plant Operator; Piledriver Engineer; Power Shovels, Backhoes and Draglines (3/4 yd to and including 3 1/2 yds), Tractor-crawler type-including all attachments; Refrigeration Plant Operator (over 1,000 tons); Trimmer Machine Operator; Concrete Pump Boom Truck; All Scrapers up to and including 40 yards; Rotomill; Vacuum or Super-Sucker or Vactor Operator

GROUP 7: Cableway Operator; Continuous Excavator (Barber Greene WL-50); Cranes-over 50 tons; Dredges; Drilling Equipment (bit 8 inches and over)-Robbins Reverse Circulation & similar; Fine Grader-CMI or equivalent; Front End & Overhead Loaders & similar machines-(over 7 yards); Power Shovels & Draglines over 3 1/2 yards; Quad type Tractors with all attachments; all Scrapers, pulling wagons, belly dumps and attachments (over 40 yards to and including 60 yards); Multiple Scraper Units; Tower Crane Operator

GROUP 8: Scrapers - Euclid & similar, pulling wagons, belly dumps and attachments, over 60 yards to and including 80 yards; Dozer or Blade (Motor Patrol) when remote grade control device (GPS or Laser or similar) is used

GROUP 9: Scrapers - Euclid and similar, pulling wagons, belly dumps and attachments, over 80 yards to and including 100 yards

GROUP 10: Scrapers - Euclids and similar, pulling wagons, belly dumps and attachments, over 100 yards

BOOM PAY: All Cranes and Concrete Pump Boom Trucks
 100 ft to 150 ft \$.15 over scale
 150 ft to 200 ft \$.30 over scale
 Over 200 ft \$.45 over scale

NOTE: In computing the length of the boom on Tower Cranes, they shall be measured from the base of the tower to the point of the boom.

 ENGI0370-003 06/01/2007

BENEWAH, BONNER, BOUNDARY, CLEARWATER, IDAHO (NOUTH OF THE 46TH PARALLEL), KOOTENAI, LATAH, LEWIS, NEZ PERCE AND SHOSHONE COUNTIES.

AREA 1: (Anyone working on HAZMAT jobs working with supplied air shall receive \$1.00 per hour above classification)

ZONE 1:

Rates Fringes

Power equipment operators:

GROUP 1.....	\$ 22.69	9.02
GROUP 1A.....	\$ 23.24	9.02
GROUP 2.....	\$ 23.56	9.02
GROUP 3.....	\$ 24.17	9.02
GROUP 4.....	\$ 24.33	9.02
GROUP 5.....	\$ 24.49	9.02
GROUP 6.....	\$ 24.77	9.02
GROUP 7.....	\$ 25.04	9.02
GROUP 8.....	\$ 26.14	9.02

ZONE DIFFERENTIAL (Add to Zone 1 rate): Zone 2 - \$2.00

Zone 1: Within 45 mile radius of Spokane, Pasco, Washington;
Lewiston, Idaho

Zone 2: Outside 45 mile radius of Spokane, Pasco,
Washington; Lewiston, Idaho

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1A: Boat Operator; Crush Feeder; Oiler; Steam Cleaner

GROUP 1: Bit Grinders; Bolt Threading Machine; Compressors (under 2000 CFM, gas, diesel, or electric power); Deck Hand; Drillers Helper (Assist driller in making drill rod connections, service drill engine and air compressor, repair drill rig and drill tools, drive drill support truck to and on the job site, remove drill cuttings from around bore hole and inspect drill rig while in operation); Fireman & Heater Tender; Hydro-seeder, Mulcher, Nozzleman; Oiler Driver, & Cable Tender, Mucking Machine; Pumpman; Rollers, all types on subgrade, including seal and chip coatings (farm type, Case, John Deere & similar, or Compacting Vibrator), except when pulled by Dozer with operable blade; Welding Machine; Crane Oiler-Driver (CLD required) & Cable Tender, Mucking Machine

GROUP 2: A-frame Truck (single drum); Assistant Refrigeration Plant (under 1000 ton); Assistant Plant Operator, Fireman or Pugmixer (asphalt); Bagley or Stationary Scraper; Belt Finishing Machine; Blower Operator (cement); Cement Hog; Compressor (2000 CFM or over, 2 or more, gas diesel or electric power); Concrete Saw (multiple cut); Distributor Leverman; Ditch Witch or similar; Elevator Hoisting Materials; Dope Pots (power agitated); Fork Lift or Lumber Stacker, hydra-lift & similar; Gin Trucks (pipeline); Hoist, single drum; Loaders (bucket elevators and conveyors); Longitudinal Float; Mixer (portable-concrete); Pavement Breaker, Hydra-Hammer & similar; Power Broom; Railroad Ballast Regulation Operator (self-propelled); Railroad Power Tamper Operator (self-propelled); Railroad Tamper Jack Operator (self-propelled); Spray Curing Machine (concrete); Spreader Box (self-propelled); Straddle Buggy (Ross & similar on construction job only); Tractor (Farm type R/T with attachment, except Backhoe); Tugger Operator

GROUP 3: A-frame Truck (2 or more drums); Assistant Refrigeration Plant & Chiller Operator (over 1000 ton); Backfillers (Cleveland & similar); Batch Plant & Wet Mix

Operator, single unit (concrete); Belt-Crete Conveyors with power pack or similar; Belt Loader (Kocal or similar); Bending Machine; Bob Cat (Skid Steer); Boring Machine (earth); Boring Machine (rock under 8 inch bit) (Quarry Master, Joy or similar); Bump Cutter (Wayne, Saginaw or similar); Canal Lining Machine (concrete); Chipper (without crane); Cleaning & Doping Machine (pipeline); Deck Engineer; Elevating Belt-type Loader (Euclid, Barber Green & similar); Elevating Grader-type Loader (Dumora, Adams or similar); Generator Plant Engineers (diesel or electric); Gunnite Combination Mixer & Compressor; Locomotive Engineer; Mixermobile; Mucking Machine; Posthole Auger or Punch; Pump (grout or jet); Soil Stabilizer (P & H or similar); Spreader Machine; Dozer/Tractor (up to D-6 or equivalent) and Traxcavator; Traverse Finish Machine; Turnhead Operator

GROUP 4: Concrete Pumps (squeeze-crete, flow-crete, pump-crete, Whitman & similar); Curb Extruder (asphalt or concrete); Drills (churn, core, calyx or diamond); Equipment Serviceman; Greaser & Oiler; Hoist (2 or more drums or Tower Hoist); Loaders (overhead & front-end, under 4 yds. R/T); Refrigeration Plant Engineer (under 1000 ton); Rubber-tired Skidders (R/T with or without attachments); Surface Heater & Plant Machine; Trenching Machines (under 7 ft. depth capacity); Turnhead (with re-screening); Vacuum Drill (reverse circulation drill under 8 inch bit)

GROUP 5: Backhoe (under 45,000 gw); Backhoe & Hoe Ram (under 3/4 yd.); Carrydeck & Boom Truck (under 25 tons); Cranes (25 tons & under), all attachments including clamshell, dragline; Derricks & Stifflegs (under 65 tons); Drilling Equipment (8 inch bit & over) (Robbins, reverse circulation & similar); Hoe Ram; Piledriving Engineers; Paving (dual drum); Railroad Track Liner Operatr (self-propelled); Refrigeration Plant Engineer (1000 tons & over); Signalman (Whirleys, Highline Hammerheads or similar); Grade Checker

GROUP 6: Asphalt Plant Operator; Automatic Subgrader (Ditches & Trimmers)(Autograde, ABC, R.A. Hansen & similar on grade wire); Backhoe (45,000 gw and over to 110,000 gw); Backhoes & Hoe Ram (3/4 yd. to 3 yd.); Batch Plant (over 4 units); Batch & Wet Mix Operator (multiple units, 2 & incl. 4); Blade Operator (motor patrol & attachments); Cable Controller (dispatcher); Compactor (self-propelled with blade); Concrete Pump Boom Truck; Concrete Slip Form Paver; Cranes (over 25 tons, to and including 45 tons), all attachments including clamshell, dragline; Crusher, Grizzle & Screening Plant Operator; Dozer, 834 R/T & similar; Drill Doctor; Loader Operator (front-end & overhead, 4 yds. incl. 8 yds.); Multiple Dozer Units with single blade; Paving Machine (asphalt and concrete); Quad-Track or similar equipment; Rollerman (finishing asphalt pavement); Roto Mill (pavement grinder); Scrapers, all, rubber-tired; Screed Operator; Shovel (under 3 yds.); Trenching Machines (7 ft. depth & over); Tug Boat Operator Vactor guzzler, super sucker; Lime Batch Tank Operator (REcycle Train); Lime Brain Operator (Recycle Train); Mobile Crusher Operator (Recycle Train)

GROUP 7: Backhoe (over 110,000 gw); Backhoes & Hoe Ram (3 yds & over); Blade (finish & bluetop) Automatic, CMI, ABC, Finish Athey & Huber & similar when used as automatic; Cableway Operators; Concrete Cleaning/Decontamination machine operator; Cranes (over 45 tons to but not including 85 tons), all attachments including clamshell and dragline; Derricks & Stiffleys (65 tons & over); Elevating Belt (Holland type); Heavy equipment robotics operator; Loader (360 degrees revolving Koehring Scooper or similar); Loaders (overhead & front-end, over 8 yds. to 10 yds.); Rubber-tired Scrapers (multiple engine with three or more scrapers); Shovels (3 yds. & over); Whirleys & Hammerheads, ALL; H.D. Mechanic; H.D. Welder; Hydraulic Platform Trailers (Goldhofer, Shaurerly and Similar); Ultra High Pressure Waterjet Cutting Tool System Operator (30,000 psi); Vacuum Blasting Machine Operator

GROUP 8: Cranes (85 tons and over, and all climbing, overhead, rail and tower), all attachments including clamshell, dragline; Loaders (overhead and front-end, 10 yards and over); Helicopter Pilot

BOOM PAY: (All Cranes, Including Tower)
 180 ft to 250 ft \$.50 over scale
 Over 250 ft \$.80 over scale

NOTE:

In computing the length of the boom on Tower Cranes, they shall be measured from the base of the Tower to the point of the boom.

HAZMAT:

Anyone working on HAZMAT jobs, working with supplied air shall receive \$1.00 an hour above classification.

 IRON0014-003 07/01/2007

BENEWAH, BONNER, BOUNDARY, CLEARWATER, IDAHO (NORTH OF THE 46TH PARALLEL), KOOTENAI, LATAH, LEWIS, NEZ PERCE AND SHOSHONE

	Rates	Fringes
Ironworker, Rebar.....	\$ 28.22	15.52
IRONWORKER, STRUCTURAL.....	\$ 28.22	15.52

 IRON0014-007 07/01/2007

ADAMS (REMAINDER OF COUNTY), IDAHO (SOUTH OF THE 46TH PARALLEL), LEMHI (NORTHWEST CORNER), VALLEY (NORTHEASTERN 1/3) AND WASHINGTON (NORTHWESTERN 1/2) COUNTIES

	Rates	Fringes
IRONWORKER		
REBAR.....	\$ 28.22	15.52
STRUCTURAL.....	\$ 28.22	15.52

 IRON0732-007 06/01/2007

ADAMS (EAST CORNER), BEAR LAKE, BINGHAM, BLAINE, BUTTE,

BONNEVILLE, CAMAS, CARIBOU, CASSIA, CLARK, CUSTER, ELMORE, FRANKLIN, FREMONT, GOODING, JEFFERSON, JEROME, LINCOLN, LEMHI (REMAINDER OF COUNTY), MADISON, MINIDOKA, ONEIDA, PAYETTE, TETON, TWIN FALLS, VALLEY (SOUTHEAST 2/3), AND WASHINGTON (SOUTHEAST 1/2) COUNTIES.

	Rates	Fringes
IRONWORKER		
Rebar.....	\$ 22.69	11.95
STRUCTURAL.....	\$ 22.69	11.95

* LABO0155-001 01/01/2008

ADAMS, BEAR LAKE, BINGHAM, BLAINE, BONNEVILLE, BUTTE, CAMAS, CARIBOU, CASSIA, CLARK, CUSTER, ELMORE, FRANKLIN, FREMONT, GOODING, IDAHO (SOUTH OF THE 46TH PARALLEL), JEFFERSON, JEROME, LEMHI, LINCOLN, MADISON, MINIDOKA, ONEIDA, PAYETTE, TETON, TWIN FALLS, VALLEY AND WASHINGTON COUNTIES

AREA 2: (Anyone working on HAZMAT jobs working with supplied air shall receive \$1.00 per hour above classification)

ZONE 1:

	Rates	Fringes
Laborers:		
GROUP 1.....	\$ 22.23	7.40
GROUP 2.....	\$ 22.33	7.40
GROUP 3.....	\$ 22.43	7.40
GROUP 4.....	\$ 22.53	7.40
GROUP 5.....	\$ 22.58	7.40
GROUP 6.....	\$ 22.83	7.40
GROUP 7.....	\$ 23.08	7.40
GROUP 8.....	\$ 22.48	7.40
GROUP 9.....	\$ 22.63	7.40
GROUP 10.....	\$ 22.73	7.40

THERE IS A HAZMAT CLASSIFICATION IN EACH GROUP

If a project is located in more than one zone the lower zone rate shall apply

Zone Differential (Add to Zone 1 rate): Zone 2 - \$1.50

Zone 1: That area within the State of Idaho located within 30 miles on either side of I-84 from the Oregon-Idaho State Line on the West to the Intersection of I-84 and I-86 in Cassia County, then following I-86 to Pocatello, then following I-15 to Idaho Falls, then following State Highway #20 - 10 miles north to the intersection with Moody Road then following I-15 south from the city of Pocatello to a point 10 miles South of the Southern Boundary of Bannock County extended to the West.

Zone 2: The remaining area of that portion of the State of Idaho south of Parallel 46 (the Washington-Oregon State Line extended eastward to Montana) that is not included in Zone 1 as described above.

LABORERS CLASSIFICATIONS

GROUP 1: General laborers; Sloper, cleaning and grading; Form stripper; Concrete crew; Concrete curing crew; Carpenter tender; Asphalt laborer; Hopper tender; Flagman (including Pilot car); Watchman; Heater Tender; Stake jumper; Choker setters; Spreader and weighman; Scouring concrete; Rip Rap Man (hand placed); Crusher tender; Cribbing and shoring (in open ditches); Machinery and parts cleaner; Leverman, manual or mechanical; Demolition, salvage; Landscaper; Tool roomman; Traffic Stripping Crew; Asbestos Abatement Laborers; Janitor (detail clean-up, such as but not limited to cleaning floors, ceilings, walls, windows, etc., prior to final acceptance by the owner)

GROUP 2: Chuck tender; Driller tender; Air tampers; Gunnite nozzleleman tender; Pipewrapper; Tar pot tender; Concrete sawyer; Concrete Grinder; Signalman, handling cement; Dumpman; Steam nozzleleman; Air and water nozzleleman (Green Cutter, Concrete); Vibrator (less than 4"); Pumpcrete and grout pump crew; hydraulic Monitor; Hydro Blaster

GROUP 3: Pipelayer, including sewer, drainage, sprinkler systems and water lines; Free Air Caisson; Jackhammer; Paving Breaker; Chipping Gun Concrete; Powderman Tender; Asphalt Raker; Gasoline powered Tamper; Electric Ballast Tamper; Sand Blasting; Form Setter, airport paving; Gunman (Gunitite); Manhole Setter; Hand guided machines, such as Roto Tillers, Trenchers, Post-Hole Diggers, Walking Garden Tractors, etc.; Cutting Torch

GROUP 4: Hod Carrier; Mason Tender; Plaster Tender; Mason Tender (concrete);
Terrazzo-Tile Tender

GROUP 5: Highscaler; Wagon Drill; Grade Checker; Gunnite Nozzleleman; Timber faller and buckler

GROUP 6: Diamond Drills; Drillers on Drills with Manufacturers rating 3" or over

GROUP 7: Powderman

UNDERGROUND WORK:

GROUP 8: Reboundman; Chucktender; Nipper; Dumpman; Vibrator (less than 4"); Brakeman; Mucker; Bullgang

GROUP 9: Form Setter and Mover

GROUP 10: Miners; Machineman; Timbermen; Steelmen; Drill Doctors; Spaders and Tuggers; Spilling and/or Caisson Workers; Vibrator (over 4")

LABO0238-001 06/01/2007

BENEWAH, BONNER, BOUNDARY, CLEARWATER, IDAHO (NOUTH OF THE 46TH PARALLEL), KOOTENAI, LATAH, LEWIS, NEZ PERCE AND SHOSHONE COUNTIES.

AREA 1:

ZONE 1:

	Rates	Fringes
Laborers:		
GROUP 1.....	\$ 19.71	7.45
GROUP 2.....	\$ 21.81	7.45
GROUP 3.....	\$ 22.08	7.45
GROUP 4.....	\$ 22.35	7.45
GROUP 5.....	\$ 22.63	7.45
GROUP 6.....	\$ 24.00	7.45

Zone Differential (Add to Zone 1 rates): Zone 2 - \$2.00

BASE POINTS: Spokane, Pasco, Lewiston

Zone 1: 0-45 radius miles from the main post office.

Zone 2: 45 radius miles and over from the main post office

LABORERS CLASSIFICATIONS

GROUP 1: Flagman; Landscape Laborer, Scaleman; Traffic Control Maintenance Laborer (to include erection and maintenance of barricades, signs, and relief of flagperson); Window Washer; Washer/Cleaner(Detail cleanup, such as but not limited to cleaning floors, ceilings, walls, windows, etc. prior to final acceptance by the owner)

GROUP 2: Asbestos Abatement Worker; Brush Hog Feeder; Carpenter Tender; Cement Handler; Cleanup laborer; Concrete Crewman (to include stripping of forms, hand operating jacks on slip form construction, application of concrete curing compounds, pumpcrete machine, signaling, handling the nozzle of squeezecrete or similar machine, 6 inches and smaller); Concrete Signalman; Crusher Feeder; Demolition (to include clean-up, burning, loading, wrecking and salvage of all material); Dumpman; Fence Erector; Form Cleaning Machine Feeder, Stacker; General Laborer; Grout Machine Header Tender; Guard Rail (to include guard rails, guide and reference posts, sign posts, and right-of-way markers); Hazardous Waste Worker; Miner, Class "A" (to include bull gang, concrete crewman, dumpman and pumpcrete crewman, including distributing pipe, assembly and dismantle, and nipper); Nipper; Riprap Man; Sandblast Tailhoseman; Scaffold Erector (wood or steel); Stake Jumper; Structural Mover (to include separating foundation, preparation, cribbing, shoring, jacking and unloading of structures); Tailhoseman (water nozzle); Timber Bucker and Faller (by hand); Track Laborer (RR); Truck Loader; Well-Point Man

GROUP 3: Asphalt Roller, walking; Cement Finisher Tender; Concrete Saw, walking; Demolition Torch; Dope Pot Firemen, non- mechanical; Form Setter, paving; Grader Checker Using Level; Jackhammer Operator Miner, Class B (to include brakeman, finisher, vibrator, form setter); Nozzleman (to include squeeze and flo-crete nozzle); Nozzleman, water,

air or steam; Pavement Breaker (under 90 lbs.); Pipelayer, corrugated metal culvert; Pipelayer, multi-plate; Pot Tender; Power Buggy Operator; Power Tool Operator, gas, electric, pneumatic; Railroad Equipment, power driven, except dual mobile power spiker or puller; Railroad Power Spiker or Puller, dual mobile; Rodder and Spreader; Tamper (to include operation of Barco, Essex and similar tampers); Trencher, Shawnee; Tugger Operator; Wagon Drills; Water Pipe Liner; Wheelbarrow, power driven

GROUP 4: Air and Hydraulic Track Drill; Asphalt Raker; Brush Machine (to include, horizontal construction joint clean-up brush machine, power propelled); Caisson Worker, free air; Chain Saw Operator and Faller; Concrete Stack (to include laborers when working on free standing concrete stacks for smoke or fume control above 40 feet high); Gunnite (to include operation of machine and nozzle); High Scaler; Miner, Class C (to include miner, nozzleman for concrete, laser beamoperator and operator and rigger on tunnels); Monitor Operator, air track or similar mounting; Mortar Mixer; Nozzleman (to include jet blasting nozzleman, over 1,200 lbs., jet blast machine power-propelled, sandblast nozzle); Pavement Breaker, 90 lbs. and over Pipelayer (to include working topman, caulker, collerman, jointer, mortarman, rigger, jacker, shorer, valve or meter installer, tamper); Pipewrapper; Plasterer Tenders; Vibrators, all

GROUP 5 - Drills with dual masts; Hazardous Waste Worker, Level A; Miner Class "D" (to include raise and shaft miner, laser beam operator on raises and shafts)

GROUP 6 - Powderman

PAIN0005-015 06/01/2006

BENEWAH, BONNER, BOUNDARY, CLEARWATER, IDAHO (NORTH OF THE 46TH PARALLEL), KOOTENAI, LATAH, LEWIS, NEX PERCE AND SHOSHONE COUNTIES.

	Rates	Fringes
PAINTER (Traffic Control Striper).....	\$ 22.74	9.16

* PAIN0005-016 07/01/2007

BOUNDARY, BONNER, BENEWAH, CLEARWATER, IDAHO (NORTH OF THE 46TH PARALLEL), KOOTENAI, LATAH, LEWIS, NEX PERCE AND SHOSHONE COUNTIES.

	Rates	Fringes
Painters:		
Application of Cold Tar		
Products, Epoxies, Polyure		
thanes, Acids, Radiation		
Resistant Material, Water		
and Sandblasting, Bridges,		
Towers, Tanks, Stacks,		

Steeple, Lead Abatement,		
Asbestos Abatement.....	\$ 20.84	7.38
Over 30'/Swing Stage Work..	\$ 21.54	7.38
Brush, Roller, Striping,		
Steam-cleaning and Spray....	\$ 15.09	6.18
TV Radio, Electrical		
Transmission Towers.....	\$ 21.59	7.38
TV, RADIO, ELECTRICAL		
TRANSMISSION TOWERS		
Over 30'/Swing Stage Work..	\$ 22.29	7.38

*\$.70 shall be paid over and above the basic wage rates listed for work on swing stages and high work of over 30 feet.

PAIN0005-017 06/01/2006

BEAR LAKE, BINGHAM, BLAINE, BONNEVILLE, BUTTE, CARIBOU, CASSIA, CLARK, CUSTER, FREMONT, JEFFERSON, LEMHI, MADISON, MINIDOKA, ONEIDA AND TETON COUNTIES.

	Rates	Fringes
PAINTER.....	\$ 9.58	6.90

PAIN0477-003 06/01/2006

ADAMS, ELMORE, IDAHO (SOUTH OF THE 46TH PARALLEL), PAYETTE, VALLEY AND WASHINGTON COUNTIES.

	Rates	Fringes
PAINTER (Traffic Control Strippers).....	\$ 20.60	4.67

PAIN0477-004 05/01/2006

ADAMS, CAMAS, ELMORE, GOODING, JEROME, LINCOLN, PAYETTE, TWIN FALLS, VALLEY AND WASHINGTON COUNTIES.

	Rates	Fringes
PAINTER.....	\$ 13.01	4.05

PAIN0764-003 06/01/2006

BEAR LAKE, BINGHAM, BLAINE, BONNEVILLE, BUTTE, CAMAS, CARIBOU, CASSIA, CLARK, CUSTER, FREMONT, GOODING, JEFFERSON, JEROME, LEMHI, LINCOLN, MADISON, MINIDOKA, ONEIDA, TETON, AND TWIN FALLS COUNTIES.

	Rates	Fringes
PAINTER (Traffic Control Strippers).....	\$ 20.60	4.67

PLAS0072-001 06/01/2007

BENEWAH, BONNER, BOUNDARY, CLEARWATER, IDAHO (NORTH OF THE 46TH PARALLEL), KOOTENAI, LATAH, LEWIS AND NEZ PERCE AND SHOSHONE

COUNTIES

ZONE 1:

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 24.68	7.98

Zone Differential (Add to Zone 1 rate): Zone 2 - \$2.00

BASE POINTS: Spokane, Moses Lake, Pasco, and Lewiston

Zone 1: 0-45 radius miles from the main post office

Zone 2: Over 45 radius miles from the main post office

* PLAS0219-004 01/01/2008

ADAMS, BEAR LAKE, BINGHAM, BLAINE, BONNEVILLE, BUTTE, CAMAS,
CARIBOU, CASSIA, CLARK, CUSTER, ELMORE, FRANKLIN, FREMONT,
GOODING, IDAHO (SOUTH OF THE 46TH PARALLEL), JEFFERSON, JEROME,
LEMHI, LINCOLN, MADISON, MINIDOKA, ONEIDA, PAYETTE, TETON, TWIN
FALLS, VALLEY AND WASHINGTON

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
GROUP 1.....	\$ 16.88	14.28
GROUP 2.....	\$ 17.08	14.28

If a project is located in more than one zone the lower zone rate shall apply

Zone Differential (add to Zone 1 rate): Zone 2 - \$1.50

Zone 1: That area within the State of Idaho located within 30 miles on either side of I-84 from the Oregon-Idaho State Line on the West to the Intersection of I-84 and I-86 in Cassia County, then following I-86 to Pocatello, then following I-15 to Idaho Falls, then following State Highway #20 - 10 miles north to the intersection with Moody Road then following I-15 south from the city of Pocatello to a point 10 miles South of the Southern Boundary of Bannock County extended to the West.

Zone 2: The remaining area of that portion of the State of Idaho south of Parallel 46 (the Washington-Oregon State Line extended eastward to Montana) that is not included in Zone 1 as described above.

CEMENT MASONS CLASSIFICATIONS

GROUP 1: - JOURNEYMAN CEMENT MASON (including but not limited to hand chipping and patching, all types grouting and pointing of all concrete constructions, screed setting including screed pins, dry packing of all concrete including Embeco, plugging and filling all voids, etc., concrete construction, waterproofing of concrete with Thoroseal or similar materials.

GROUP 2: - CEMENT MASON (magnesite terazzo and mastic composition, two component epoxies, Clary and similar type screed operator, sandblasting of concrete for architectural finished only, Power chipping and bushhammer, all color concrete work, Power Trowel Operator, Power Grinder Operator, Gunnite and Composition Floor Layer).

* TEAM0483-001 01/01/2008

ADAMS, BEAR LAKE, BINGHAM, BLAINE, BONNEVILLE, BUTTE, CAMAS, CARIBOU, CASSIA, CLARK, CUSTER, ELMORE, FREMONT, GOODING, IDAHO (SOUTH OF THE 46TH PARALLEL), JEFFERSON, JEROME, LEMHI, LINCOLN, MADISON, MINIDOKA, ONEIDA, PAYETTE, TETON, TWIN FALLS, VALLEY AND WASHINGTON COUNTIES

AREA 2: (Anyone working on HAZMAT jobs working with supplied air shall receive \$1.00 per hour above classification)

ZONE 1

	Rates	Fringes
Truck drivers:		
GROUP 1.....	\$ 20.00	11.15
GROUP 2.....	\$ 20.37	11.15
GROUP 3.....	\$ 20.60	11.15
GROUP 4.....	\$ 20.78	11.15
GROUP 5		
CLASS A.....	\$ 20.60	11.15
CLASS B.....	\$ 20.78	11.15
CLASS C.....	\$ 21.01	11.15
CLASS D.....	\$ 21.52	11.15
CLASS E.....	\$ 21.75	11.15
CLASS F.....	\$ 22.19	11.15

THERE IS A HAZMAT CLASSIFICATION INCLUDED IN EACH GROUP

If a project is located in more than one zone the lower zone rate shall apply

Zone Differential (Add to Zone 1 Rate): Zone 2 - \$1.50

Zone 1: That area within the State of Idaho located within 30 miles on either side of I-84 from the Oregon-Idaho State Line on the West to the Intersection of I-84 and I-86 in Cassia County, then following I-86 to Pocatello, then following I-15 to Idaho Falls, then following State Highway #20 - 10 miles north to the intersection with Moody Road then following I-15 south from the city of Pocatello to a point 10 miles South of the Southern Boundary of Bannock County extended to the West.

Zone 2: The remaining area of that portion of the State of Idaho south of Parallel 46 (the Washington-Oregon State Line extended eastward to Montana) that is not included in Zone 1 as described above.

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: Leverman Loading at Bunkers; Pilot Car or Escort

Driver Flat Bed-2 Axle and Pickup Hauling material; Water Truck (1,000 gallons and under); Ambulance Driver; Flat Bed-3 Axle; Fuel Truck (1,000 gallons and under); Greaser; Tireman; Serviceman; Buggymobile; Manhaul (Shuttle Truck or Bus)

GROUP 2: Slurry or Concrete Pumping Truck; Flat Bed using Power Takeoff; Semi Trailer-Low Boy (up to 96,000 lbs. GVW); Bulk Cement Tanker (up to 96,000 lbs. GVW); Fork Lift (Bull Lift, Hydro Lift), Ross Hyster and similar Straddle equipment; "A" Frame Truck (Swedish Crane, Iowa 3,000 Hydro Lift); Transit Mix Truck (0-10 yds); Warehouseman Loading and Unloading

GROUP 3: Water Tank Truck; Fuel Truck (over 1,000 gallons); Transit Mix Trucks (10 yards & over), Dumpsters; Distributor or Spreader Truck; Field Tireman-Serviceman; Snow Plow (Truck Mounted); Warehouseman; Counterman, Shipping Receiving, Cardex.

GROUP 4: Low Boy (96,000 lbs. GVW & over); Bulk Cement Tanker (96,000 lbs. GVW & over); Transit Mix Trucks (over 10 yards); Turnarocker & similar equipment; Warehouseman General

GROUP 5:

CLASS:

A - Truck - Side, end and bottom dump, 0-16 yards, inclusive.

B - Truck - Side, end and bottom dump, 16-30 yards, inclusive.

C - Truck - Side, end and bottom dump, 30-50 yards, inclusive, and Truck Mechanic.

D - Truck - Side, end and bottom dump, 50-75 yards, inclusive.

E - Truck - Side, end and bottom dump, 75-100 yards inclusive.

F - Truck - Side, end and bottom dump, over 100 yards.

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BENEWAH, BONNER, BOUNDARY, CLEARWATER, IDAHO (NORTH OF THE 46TH PARALLEL), KOOTENAI, LATAH, LEWIS, NEZ PERCE AND SHOSHONE COUNTIES

AREA 1: (ANYONE WORKING ON HAZMAT JOBS SEE FOOTNOTE A BELOW)

ZONE 1:

	Rates	Fringes
TRUCK DRIVER		
GROUP 1.....	\$ 19.27	10.70
GROUP 2.....	\$ 21.54	10.70
GROUP 3.....	\$ 22.04	10.70
GROUP 4.....	\$ 22.37	10.70
GROUP 5.....	\$ 22.48	10.70
GROUP 6.....	\$ 22.65	10.70
GROUP 7.....	\$ 23.18	10.70
GROUP 8.....	\$ 23.51	10.70

Zone Differential (Add to Zone 1 rate): Zone 2 - \$2.00)

BASE POINTS: Spokane, Moses Lake, Pasco, Lewiston

Zone 1: 0-45 radius miles from the main post office

Zone 2: 45 radius miles and over from the main post office

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: Escort Driver or Pilot Car; Employee Haul; Power Boat Hauling Employees or Material

GROUP 2: Fish Truck; Flat Bed Truck; Fork Lift (3000 lbs. and under); Leverperson (loading trucks at bunkers); Trailer Mounted Hydro Seeder and Mulcher; Seeder & Mulcher; Stationary Fuel Operator; Tractor (small, rubber-tired, pulling trailer or similar equipment)

GROUP 3: Auto Crane (2000 lbs. capacity); Buggy Mobile & Similar; Bulk Cement Tanks & Spreader; Dumptor (6 yds. & under); Flat Bed Truck with Hydraulic System; Fork Lift (3001-16,000 lbs.); Fuel Truck Driver; Steamcleaner & Washer; Power Operated Sweeper; Rubber-tired Tunnel Jumbo; Scissors Truck; Slurry Truck Driver; Straddle Carrier (Ross, Hyster, & similar); Tireperson; Transit Mixers & Truck Hauling Concrete (3 yd. to & including 6 yds.); Trucks, side, end, bottom & articulated end dump (3 yards to and including 6 yards); Warehouseperson (to include shipping & receiving); Wrecker & Tow Truck

GROUP 4: A-Frame; Burner, Cutter, & Welder; Service Greaser; Trucks, side, end, bottom & articulated end dump (over 6 yds. to & including 12 yds.); Truck Mounted Hydro Seeder; Warehouseperson; Water Tank Truck (0-8000 gallons)

GROUP 5: Dumptor (over 6 yds.); Lowboy (50 tons & under); Self-loading Roll Off; Semi-Truck & Trailer; Tractor with Steer Trailer; Transit Mixers and Trucks Hauling Concrete (over 6 yds. to and including 10 yds.); Trucks, side, end, bottom & articulated end dump (over 12 yds. to & including 20 yds.); Truck-Mounted Crane (with load bearing surface either mounted or pulled), up to 14 ton; Vacuum truck (super sucker, guzzler, etc.); Water Tank Truck (8,001-14,000 gallons)

GROUP 6: Flaherty Spreader Box Driver; Flowboys; Fork Lift (over 16,000 lbs.); Dumps (Semi-end); Lowboy (over 50 tons); Mechanic (Field); Transfer Truck & Trailer; Transit Mixers & Trucks Hauling Concrete (over 10 yds. to & including 20 yds.); Trucks, side, end, bottom & articulated end dump (over 20 yds. to & including 40 yds.); Truck and Pup; Tournarocker, DW's & similar, with 2 or more 4 wheel-power tractor with trailer, gallonage or yardage scale, whichever is greater; Water Tank Truck (8001-14,000 gallons)

GROUP 7: Oil Distributor Driver; Stringer Truck (cable operated trailer); Transit Mixers & Trucks Hauling Concrete (over 20 yds.); Truck, side, end,

bottom & articulated end dump(over 40 yds. to & including 100 yds.); Truck mounted Crane (with load bearing surface either mounted or pulled (16 through 25 tons)

GROUP 8: Prime Movers & Stinger Truck; Trucks, side, end, bottom and articulated end dump (over 100 yds.); Helicopter Pilot Hauling Employees or Materials

FOOTNOTE A - Anyone working on a HAZMAT job, where HAZMAT certification is required, shall be compensated as a premium, in additon to the classification working in as follows:

LEVEL C-D: - \$.50 PER HOUR - This is the lowest level of protection. This level may use an air purifying respirator or additional protective clothing.

LEVEL A-B: - \$1.00 PER HOUR - Uses supplied air in conjunction with a chemical spash suit or fully encapsulated suit with self-contained breathing apparatus.

NOTE: Trucks Pulling Equipment Trailers: shall receive \$.15/hour over applicable truck rate

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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR 5.5(a)(1)(ii)).

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In the listing above, the "SU" designation means that rates listed under the identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

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WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7).
Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board

(formerly the
Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

END OF GENERAL DECISION



ATTENTION

The following Special Contract Requirements (SCRs) are only a portion of the specifications for this project. These SCRs amend and supplement the Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects, FP-03. The FP-03 Metric Units is a separately published book. In order to understand the solicitation properly you need to have the FP-03 Metric Units as well as this packet. Pay particular attention to the provisions of Subsection 104.04 in the FP-03. This Subsection explains how each of the many contract documents fit together.

If you would like to view the FP-03 Metric Units electronically, go to:
<http://www.wfl.fha.dot.gov/design/specs/fp03.htm>

If you would like a printed copy of the FP-03 Metric Units, contact the:

Federal Highway Administration

610 East Fifth St.

Vancouver, WA 98661

Phone: 360.619.7520

Fax: 360.619.7520

Email: plans_spec@fhwa.dot.gov

(printed copies of the FP-03 will be distributed to the successful bidder)

Delete the table on page iv and substitute the following:

SI⁽¹⁾ (METRIC) TO U.S. CUSTOMARY CONVERSION FACTORS (approximate)				
Symbol	When You Know	Multiply By	To Find	Symbol
LENGTH				
μm	micrometers	3.9×10^{-5}	inches	in
mm	millimeters	0.039	inches	in
m	meters	3.28	feet	ft
m	meters	1.09	yards	yd
km	kilometers	0.621	miles	mi
AREA				
mm ²	square millimeters	0.0016	square inches	in ²
m ²	square meters	10.764	square feet	ft ²
m ²	square meters	1.195	square yards	yd ²
ha	hectares	2.47	acres	ac
km ²	square kilometers	0.386	square miles	mi ²
VOLUME				
mL	milliliters	0.034	fluid ounces	fl oz
L	liters	0.264	gallons	gal
m ³	cubic meters	35.31	cubic feet	ft ³
m ³	cubic meters	1.308	cubic yards	yd ³
MASS				
g	grams	0.035	ounces	oz
kg	kilograms	2.202	pounds	lb
Mg	megagrams	1.1023	short tons	T
(or "t")	(or "metric ton")		(2000 lb)	
TEMPERATURE (exact)				
°C	Celsius temperature	1.8C +32	Fahrenheit temperature	°F
ILLUMINATION				
lx	lux	0.0929	foot-candles	fc
cd/m ²	candela/m ²	0.2919	foot-Lamberts	fl
MISCELLANEOUS				
J	joule	0.7376	foot-poundforce	ft-lbf
N	newtons	0.225	poundforce	lbf
kPa	kilopascals	0.145	poundforce per square inch	lbf/in ²

(1) SI is the symbol for the International System of Units.

Appropriate rounding should be made to comply with Section 4 of ASTM E 380.

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Section 101.— TERMS, FORMAT, AND DEFINITIONS

101.04 Definitions. Add the following:

Holidays — Holidays occur on the following days:

- 1st day of January - New Year's Day
- 3rd Monday of January - Martin Luther King, Jr. Day
- 3rd Monday in February - Presidents' Day
- Last Monday in May - Memorial Day
- 4th day of July - Independence Day
- 1st Monday in September - Labor Day
- 2nd Monday in October - Columbus Day
- 11th day in November - Veterans Day
- 4th Thursday in November - Thanksgiving Day
- 25th day in December - Christmas Day
- Other days declared holidays by the Congress or the President
- If a holiday falls on a Saturday, the preceding Friday is also a legal holiday. If a holiday falls on a Sunday, the Monday following is also a legal holiday.

Section 102.— BID, AWARD, AND EXECUTION OF CONTRACT

102.05A Contract Award. (Added Subsection.)

Follow the requirements of FAR Clause 52.214-19, Contract Award - Sealed Bidding - Construction.

The successful bidder will be awarded all pay items listed in the bid schedule.

102.06 Performance and Payment Bonds. Delete the text of the first paragraph and substitute the following:

Follow the requirements of FAR Clause 52.228-15 Performance and Payment Bonds – Construction. Furnish a performance bond and a payment bond each in the penal amount of 100 percent of the original contract price.

Section 103.— SCOPE OF WORK

103.01 Intent of Contract. Add the following:

Additional work on sites within or in the vicinity of the project may be requested by the CO. Such work generally will be in response to natural disasters. This paragraph does not affect the respective responsibilities of the parties under Subsection 107.06. Provide cost proposals and perform work as ordered by the CO.

103.06 Issue Resolution. (Added Subsection.)

Resolve project issues at the lowest authorized level and in the most expedient manner possible. Escalate unresolved issues to the next higher level in a timely manner to avoid adverse impacts to costs, risks, or time. Either party may request an issue be escalated. Submit requests in writing. Upon the request of either party, both parties must escalate the issue. An exception to escalating an issue may be observed when both parties agree extra time is needed for the development of facts.

Decision making is encouraged to be made at the lowest authorized level. Recommendations, options, and ideas by all team members are requested. Decisions made at the lowest level possible will be supported by all management levels. Countermands of decisions will not be permitted, except where there is a conflict with code, regulation, law, the contract, or a change of critical facts or information which causes a re-evaluation of the resolution. Support of a countermand by the original decision team is critical. All Contractor and Government team members must understand why the change is necessary and must be able to support it.

Section 104.— CONTROL OF WORK

104.03 Specifications and Drawings. Add the following paragraph:

(c) As-built working drawings. Furnish as-built working drawings. The Government will provide one set of contract drawings to be used exclusively for recording the as-built details of the project. Use red pencil or red ink to record the information described below.

Note all additions or revisions to the location, character, and dimensions of the prescribed work shown on the contract drawings. Line out all details shown that are not applicable to the completed work. Check off details shown that were incorporated into the completed work without change.

Retain the drawings at the project site and, as work progresses, continuously update them to reflect the as-built details. Upon request, make the drawings available to the CO to review for compliance with these specifications.

As a minimum, show the following types of changes on the as-built drawings:

(1) Typical section(s)

- (a) Revisions in dimensions; and
- (b) Revisions in materials.

(2) Plan

- (a) Changes in the construction limits;
- (b) Revisions in location, type, and grade of road approaches;
- (c) Location and type of utilities;
- (d) Location, size, and type of underdrains;
- (e) Skew of culverts;
- (f) Channel changes
- (g) Location of monuments and permanent references;
- (h) Revisions to grades, elevations, and stationing of intersection PIs;

(i) Equations;

(j) Culvert diameter, length, type, and stationing;

(k) Length of culvert extension and length of existing culvert;

(3) Miscellaneous

(a) Revisions to parking areas or turnouts.

Furnish the as-built working drawings to the CO before the final inspection. Correct all details found during the final inspection that are not shown on the as-built drawings and return to the CO within 5 working days.

104.05 Load Restrictions. Add the following paragraph:

Limit loads to 6350 kg (14,000 lbs) per axle during spring break-up (typically May 1st to June 1st). Contact Valley County Road Department at (208) 382-7195 for spring break-up dates.

Section 105.— CONTROL OF MATERIAL

105.02 Material Sources. Amend as follows:

(a) Government-provided sources. Add the following:

There are no Government-provided sources for this project.

(b) Contractor-located sources. Add the following to the first paragraph:

Obtain permits and clearances according to Subsection 107.10.

105.04 Storing and Handling Material. Delete the text of the second paragraph and substitute the following:

Use turnouts along the project and waste sites shown in plans for staging or storing of materials such as rotomilled material, culverts, geotextile fabric, temporary traffic control devices; and for equipment parking. Restore all Government-provided storage sites to their original condition or construct them per the plans.

Waste sites shown on the plans can be used for disposing subexcavation material. If the waste sites shown on the plans are used, submit a plan for CO approval identifying how the areas will be used at least 21 days prior to use. Maintain a minimum 30 meter buffer from toe of embankment to any wetlands or the top of bank of any streams. Erosion control measures must be installed where necessary to prevent sediment from stored materials from entering wetlands or waters. Permanent erosion control measure must be applied according to Subsection 157.13 prior to the completion of construction.

Provide additional space as needed. Do not use private property for staging or storage without written permission of the owner or lessee. Furnish copies of all agreements. Secure all permits and clearances for use of the storage area and provide copies of the documents. Obtain permits according to Subsection 107.10.

Section 106.— ACCEPTANCE OF WORK

106.01 Conformity with Contract Requirements. Amend as follows:

Delete the second paragraph and substitute the following:

References to standard test methods of AASHTO, ASTM, GSA, and other recognized standard authorities refer to the methods in effect on the date of solicitation for bids. Use the 26th edition of the AASHTO Standard Specifications for Transportation Materials and Methods of Sampling and Testing, and Appendix A and B of the Federal Lands Highway Field Materials Manual for this project. Use the modified AASHTO procedures for sampling and testing contained in Appendix B of the Federal Lands Highway Field Materials Manual; except, when a specified sampling or test method is not included in Appendix B, sample and test according to the referenced AASHTO test procedure. Appendix A of the Federal Lands Highway Field Materials Manual contains several sampling and testing methods which may be required for this project that are not found in AASHTO.

Delete the eighth paragraph and substitute the following:

Remove, repair, or replace work that does not conform to the contract, or to prevailing industry standards where no specific contract requirements are noted. Removing, repairing, or replacing work; providing temporary traffic control; and any other related work to accomplish conformity will be at no cost to the Government.

Add the following:

Obtain copies of the following documents by going to our webpage at:

<http://www.wfl.fha.dot.gov/construction/cmr/>

- Appendices A and B of the Federal Lands Highway Field Materials Manual, dated 02/10/97;
- Standard WFLHD Method of Test for Accelerated Weathering of Aggregate by Use of Dimethyl Sulfoxide (DMSO);
- Form FHWA-1641, "Worksheet for Superpave Asphalt Concrete Mix Design, AASHTO R 35";
- Standard WFLHD Test Method for Determining Asphalt Content in Asphalt Paving Mixtures by the Ignition Method;
- Field Note Samples, dated April 2004.

106.02 Visual Inspection. Delete the text of this Subsection and substitute the following:

Acceptance is based on visual inspection of the work for compliance with the specific contract requirements. In the absence of specific contract requirements or tolerances, prevailing industry standards may be used.

106.03 Certification. Add the following after the second paragraph:

Maintain records of all required certifications according to Subsections 103.04, 154.04, and 155.06. Submit certifications to the CO when requested.

Check certifications, before incorporating the materials into the work, to ensure that the requirements of the contract have been met. Mark the certifications with the following information: project name, project number, contract item number, item description, Contractor's signature, and date.

Section 107.— LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC

107.01 Laws to be Observed. Amend as follows:

Delete the third paragraph and substitute the following:

Comply with the terms and conditions included in all permits and agreements obtained by the Government for performing the work included in this contract (See Section H). Notify the CO immediately of any changes, including modifications to government-obtained permits, or any additional permits or agreements that are required by the Contractor's methods of operation. Allow adequate time in the construction schedule for any additional permits or changes to government-obtained permits. Furnish copies of all acquired permits and agreements not in the contract.

Comply with the terms and conditions included in the Storm Water Prevention Plan (See Section I).

Comply with the requirements of the Fire Protection and Suppression Plan included in this contract (See Section J).

Obtain all required parking and camping permits for the use of National Forest lands.

Obtain burning permits from the National Forest Service before proceeding with any burning activities on National Forest Lands.

Request all required National Forest Service permits at least 14 days before permit is needed.

Contact ID - Utility Notification Center not less than three working days before the start of any excavation on this project. The utility notification phone number for the project area is 1-800-424-5555.

107.02 Protection and Restoration of Property and Landscape. Add the following after the last paragraph:

Consult the following utility contactors before performing work that may affect their facilities:

Idaho Power Company
Frontier Communication
Midvale Telephone Exchange

107.03 Bulletin Board. Add the following:

(g) The “Beck” poster, according to FAR Clause 52.222-39 Notification of Employee Rights Concerning Payment of Union Dues or Fees.

107.03A Public Notice. (Added Subsection.)

Publish notices of the road work in local newspapers. Include a description of the work, expected delays and periods when the road is open to traffic without delays. Issue the notice at least 2 weeks before beginning work on the project. In addition publish a construction update every 2 weeks. Provide a copy of the initial notice to the CO for review and comment at least 5 working days before submitting for publication.

Publish in following papers:

Idaho Statesman	Long Valley Advocate
P.O. Box 40	105 N Main St
Boise, ID 83707	Cascade, ID 83611
(208) 377-6200	(208) 382-3233
Yellow Pine Times	Star News
c/o Railroad Sue	1000 N 1st St
Yellow Pine, ID 83677	McCall, ID 83638
yptimes2@ruralnetwork.net	(208) 634-2123

107.08 Sanitation, Health, and Safety. Add the following after the first paragraph:

Submit an accident prevention plan for implementing safety and health standards at the Preconstruction Conference. Use the Government furnished Form WFLHD-28, *Guide Outline of Contractor's Accident Prevention Plan*.

107.10 Environmental Protection. Delete the text of this Subsection and substitute the following:

Conform to the following:

(a) The Federal Water Pollution Control Act (33 USC § 1251 et seq.).

(1) Except as authorized by this contract, do not operate mechanized equipment, discharge or place material within the boundaries of any U.S. waters as identified by the ordinary high water mark, high tide line, or edge of the wetland. This includes wetlands, unless authorized by a permit issued by the U.S. Army Corps of Engineers according to 33 USC § 1344, and if required by the state agency having jurisdiction over the discharge of material into the waters of the U.S. In the event of an unauthorized discharge:

- (a) immediately prevent further contamination;
- (b) immediately notify appropriate authorities and the CO; and
- (c) mitigate damages as required.

(2) Separate work areas, including material sources by the use of a suitable barrier that prevents sediment, petroleum products, chemicals, other liquids, or solid materials from entering the waters of the U.S. Construct and remove barriers to avoid discharge of material into the waters of the U.S. Remove and properly dispose of sediment or other material collected by the barrier.

(b) Construction Activities Outside Construction Limits. Before beginning construction activities outside the construction limits (such as material sources, disposal sites, waste areas, access roads, water sources, stockpiles and staging areas) that will require ground disturbance, occupation, clearing, or other environmental impacts provide the following documents.

The requirements below do not apply to commercial sources that are established, have provided material to public and private entities on a regular basis over the last two years, have appropriate State and local permits, and do not require expansion outside their currently established and permitted area.

(1) Proposed Activity Description. Submit a description, schedule, and location of the proposed activities for approval of the CO. Include maps of the area and other relevant information.

(2) Cultural Resources. Submit written documentation satisfactory to the CO for a finding of either “no historic properties affected” or “no effect” according to 36 CFR 800.4(d)(1) for historic properties on or eligible for listing to the National Register of Historic Places. Provide either:

- (a) Documentation showing there are no cultural resources present, and a finding of either "no historic properties affected" or “no effect” according to 36 CFR 800.4(d)(1). Documents must be prepared by an individual qualified under the Secretary of the Interior’s Standards and Guidelines for Archeology and Historic Preservation, 48 FR 44716-44740.

Documentation must be satisfactory to the State Historic Preservations Officer (SHPO) or Tribal Historic Preservations Officer (THPO) as appropriate, according to 36 CFR 800.3(c).

The CO will forward the documentation to the SHPO or THPO. Anticipate a minimum of 30 days from receipt of the documentation by the SHPO or THPO before use of the site may be approved; or

(b) Documentation showing a finding of either "no historic properties affected" or "no effect" according to 36 CFR 800.4(d)(1) has been previously obtained for the proposed activities from the State, Tribal Government or Federal Land Management Agency responsible for the land. Include attached copies of SHPO concurrence, or Memorandum of Agreement (MOA) where concurrence is not required.

(3) Species Protected Under the Endangered Species Act of 1973. Submit written documentation satisfactory to the CO that the proposed action will have no effect to any threatened or endangered species or their critical habitat. Provide either:

(a) A current list of all threatened or endangered species in the site of proposed activities from the U.S. Fish and Wildlife Service; and a recommendation of a "no effect" determination according to Section 7 of the Endangered Species Act prepared by a biological specialist with a minimum of 3 years of experience in Endangered Species Act compliance or other qualifications acceptable to the CO. Allow up to 30 days to obtain the current list of all threatened or endangered species from the U.S. Fish and Wildlife Service; or

(b) Documentation showing the proposed activities have previously been determined to comply with the Endangered Species Act and this determination remains valid. This documentation must be from the State, Tribal Government or Federal Land Management Agency responsible for the land. Attach evidence of compliance, including correspondence with the U.S. Fish and Wildlife Service.

(4) Wetlands as Defined by the U.S. Army Corps of Engineers' 1987 Wetland Delineation Manual (WDM). Submit written documentation satisfactory to the CO, that the proposed action will comply with Section 404 of the Clean Water Act, Executive Order 11990, and will not affect any wetlands. Documentation must be prepared by a wetland specialist with a minimum of 3 years of experience in wetland delineation using WDM or other qualifications acceptable to the CO.

(5) Federal Lands. Before use of sites on federal lands, submit a copy of the Letter of Approval or Special Use Permit from the applicable federal agency allowing use of the site for intended purposes.

(6) Tribal, State and Local Approvals. Comply with applicable laws regarding the proposed activities. Submit copies of required clearances, including hazardous waste compliance, tribal, State and local permits and approvals.

Allow 12 days (in addition to other agency time requirements) for approval of documents submitted to the CO.

(c) Oil and Hazardous Substances. Submit a Spill Prevention, Control, and Countermeasure (SPCC) plan for sites that meet the requirements of 40 CFR Part 112. Owners and operators must comply by July 1, 2009.

At present, a SPCC plan is required for sites in operation after July 1, 2009 that store petroleum and synthetic oil products with a maximum above-ground combined capacity greater than 1,320 gallons. This includes both bulk and operational storage containers (such as tanks on trucks and construction equipment) with a capacity greater than 55 gallons that are used to transfer or store oil for further distribution. It does not include tanks used primarily to power the movement of the motor vehicle..

Submit the SPCC plan at least 2 days before beginning work .

If a SPCC Plan is not required, submit a Hazardous Spill Plan describing what actions will be taken in case of a spill, and incorporate preventative measures to be implemented (such as the placement of refueling facilities, storage and handling of hazardous materials, etc). Submit the Hazardous Spill Plan at least 2 days before beginning work.

Do not use equipment that is leaking fluids. Repair leaks on equipment immediately. Keep a supply of absorbent materials at the job site in the event of spills. Acceptable absorbent materials are those manufactured specifically for the containment and clean up of hazardous materials.

Immediately notify the CO of all hazardous spills.

Perform all refueling operations, and locate all fuel storage areas, outside of Riparian Conservation Areas (RCAs) which for this project is defined as a distance of no less than 300 feet from the top of bank of the channel. This applies to all streams and channels in the project vicinity.

Locate all equipment staging areas and chemical storage areas outside of RCAs and away from wetlands, or in National Marine Fisheries Service (NMFS) - approved sites, where necessary containment features are present to reduce the likelihood of chemical contamination.

Contain all wash water associated with construction or gravel processing in such a way as to prevent discharge into adjacent riparian areas, wetlands and streams.

Dispose of all solid waste generated by contractor activities at approved solid waste disposal sites.

Ensure that pumps used during dewatering at culvert replacement sites and during water extraction for use during construction activities are equipped with screens to protect fish. Ensure that all pumps and screens meet criteria and standards described in the document *Juvenile Fish Screen Criteria* (NMFS 1995), and its addendum, *Addendum: Juvenile Fish Screen Criteria for Pump Intakes* (NMFS 1996) included in Section H.

(d) Dewatering. If dewatering is required during construction, obtain a short-term activity exemption permit from the Idaho DEQ. Contact Craig Shepard at (208) 373-0557.

(e) Noxious Weeds. Clean all equipment, materials and vehicles to be used at the project site and certify them to be free of noxious weeds and their seed before entrance onto the project site. This restriction includes equipment and vehicles intended for off-road as well as on-road use, whether they are owned, leased or borrowed by the contractor or any subcontractors.

Cleaning consists of removing all dirt, grease, debris and materials that may harbor noxious weeds and their seeds.

Arrange for a visual inspection of all equipment, materials and vehicles by the CO and receive a written approval from the CO that they are reasonably clean and weed free before transporting them to the project site. Inspection will take place at a location designated by the CO in advance of equipment and material arrival. Equipment and vehicles are expected to proceed directly to the job site following the inspection and are not to leave the designated weed management district, defined as Valley County, Idaho, wherein the project site exists.

Approval for each identified piece of equipment or vehicle will remain valid only for the duration of the specified project and only as long as the vehicle or equipment remains at the job site or within the designated weed management district. Equipment and vehicles that move between different project sites within the Boise National Forest, or which leave the designated weed management district will need a new written approval from the CO that they are weed free before they are allowed to return to the project site. Except that vehicles used to haul gravel or borrow material directly from a noxious weed free approved material source and the project site using paved public roadways will not require cleaning each time they enter the project site.

(f) General Construction Requirements. All equipment is required to meet the EPA emission standards, and all equipment is required to have fuel shut off valves.

Section 108.— PROSECUTION AND PROGRESS

108.01 Commencement, Prosecution, and Completion of Work. Add the following:

Furnish at least 48 hours advance notice before changing the current work schedule. Work schedule changes that include additional shifts require 14 days notice.

Perform work under this contract according to the following:

- (a) Do not perform construction operations between 6 p.m. Friday and 6 a.m. the following Tuesday of the Memorial Day and Labor Day weekends.
- (b) The Yellow Pine Harmonica Fest occurs the first weekend in August. Do not perform construction operations from 6 p.m. Wednesday until 6 a.m. the following Monday of the first weekend in August.
- (c) Do not smoke within the contract area except on surfaced or dirt roads, at landings, within closed vehicles, in camps, or at other posted places. Do not smoke while working or traveling on foot. See Section J.
- (d) Accommodate traffic as provided in Subsection 156.03.
- (e) Provide access for snow removal as provided in Subsections 156.04 and 156.05.
- (f) Limit construction operations as provided in Subsection 156.06.
- (g) Suspend work for the winter from October 1st of any year to April 30th of the succeeding year.
- (h) Complete placement of minor hot asphalt concrete in any disturbed subexcavation areas before October 1st of any year.
- (i) Complete final mainline paving by September 15, 2009.

108.01A Labor. (Added Subsection.)

Follow the requirements of FAR Clause 52.222-6 Davis Bacon Act.

Adjacent or virtually adjacent work sites are defined to be work sites within 0.8 kilometers of the project. Application of the Davis-Bacon Act for work sites beyond 0.8 kilometers of the project will be determined by the CO.

108.02 Subcontracting. Amend as follows:

Delete the first paragraph and substitute the following:

FAR clauses 52.219-4, Notice of Price Evaluation Preference for HUBZone Small Business Concerns, 52.222-11 Subcontracts (Labor Standards), and 52.236-1, Performance of Work by the Contractor are supplemented as follows.

Delete the fourth paragraph and substitute the following:

In FAR Clauses 51.219-8, Utilization of Small Business Concerns and 52.237-27, Prompt Payment for Construction Contracts, the subcontracts include both on-site work and supply contracts.

Evaluate the percentage of the cost of contract performance incurred for personnel in FAR Clause 52.219-4, Notice of Price Evaluation Preference for HUBZone Small Business Concerns, according to the following formula:

$$P = H / T$$

Where:

P = Percent of the cost of contract performance incurred for personnel working for HUBZone firms

T = Total wages/benefits paid during the life of the contract. Certified payrolls will be used to determine Davis-Bacon wages and benefits paid. Submit certified statements at least monthly declaring the wages and benefits paid to non-Davis Bacon personnel under this contract.

H = Total wages/benefits paid to employees working for HUBZone firms (prime and subcontractors)

In FAR Clause 52.236-1, Performance of Work by the Contractor, the percentage of work performed on-site by the Contractor will be computed as 100% less the combined initial dollar amount of all subcontracts involving on-site labor as a percent of the original dollar amount of the contract.

108.02A Prime HUBZone Contractors and subcontracting. (Added Subsection.)

Follow the requirements of §126.700 of Title 13 of the Code of Federal Regulations (13 CFR 126.700). In addition to the requirements in paragraph (d)(3) of FAR Clause 52.219-4 Notice of Price Evaluation Preference for HUBZone Small Business Concerns (SBCs) comply with the following:

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- At least 50 percent of the cost of the contract performance incurred for personnel will be spent on the Prime HUBZone contractor's employees or the employees of other qualified HUBZone small business concerns.
- The above requirement may be met by expending at least 50% of the cost of the contract incurred for personnel on the Prime HUBZone contractor's employees or it may subcontract up to 35% of the cost of the contract performance incurred for personnel to one or more qualified HUBZone SBCs.
- A qualified Prime HUBZone SBC may not subcontract more than 50% of the cost of the contract incurred for personnel to non-qualified HUBZone SBCs.

108.04 Failure to Complete Work on Time. Delete the text and table of this Subsection and substitute the following:

Follow the requirements of FAR Clause 52.211-12 Liquidated Damages — Construction.

Liquidated damages in the amount specified in Table 108-1 will be assessed for each calendar day beyond the time specified in the contract until substantial completion of the work.

Liquidated damages will not be assessed for the following:

- (a) The day of the final inspection.
- (b) Days required to perform work added to the contract after substantial completion including items identified during the final inspection that were not required before that time.
- (c) Delays by the Government after all work is complete and before a formal acceptance is executed.
- (d) Periods of time when all work is complete but acceptance is delayed pending the plant establishment period or similar warranty period.

Table 108-1
Charge for Liquidated Damages for Each Day
Work Is Not Substantially Completed

Original Contract Price		Daily Charge
From More Than —	To and Including —	
\$ 0	\$ 1,000,000	\$ 500
1,000,000	2,000,000	1,100
2,000,000	5,000,000	2,200
5,000,000	10,000,000	2,700
10,000,000	and more	3,300

Section 109.— MEASUREMENT AND PAYMENT

109.01 Measurement of Work. Delete the first sentence of paragraph six and substitute the following:

Prepare pay item measurement notes on “*Record of Miscellaneous Items*” (Form FHWA 17348). For an electronic version of the form go to:

<http://www.wfl.fha.dot.gov/other/it/forms/17348.pdf>.

109.02 Measurement Terms and Definitions. Add the following:

(m) **Fixed hourly rate.** Measure the actual number of hours ordered by the CO and performed by the Contractor.

109.03 Weighing Procedures and Devices. (c) Project weighing system. Delete the text of the first paragraph and substitute the following:

Furnish, erect, and maintain acceptable automatic digital scales. For small quantities, manual scales may be used when approved in writing by the CO and if the method of weighing meets all other contract requirements. Provide scales that record mass at least to the nearest 50 kilograms. Maintain the scale accuracy to within 0.5% of the correct mass throughout the range of use.

109.06A Adjustments for Price Fluctuations. (Added Subsection.)

Price adjustments for pay items listed in Table 109-1 will be made when the price fluctuation for products used in the performance of the work exceed specified limits. Adjustments are not intended to compensate for normal day-to-day fluctuations, seasonal changes, or to serve as a guarantee of full compensation for price fluctuations. It does provide for sharing in a portion of the risk, which could result from unusual price fluctuations. No price adjustments will be made for work performed beyond the fixed completion date.

**Table 109-1
Pricing Adjustment Pay Items**

Pay Item Number	Pay Item Description	Product
20402	Subexcavation	Fuel
20410	Select borrow	Fuel
30802	Roadway aggregate, method 1	Fuel
40101	Superpave pavement	Asphalt binder/Fuel
40401	Minor hot asphalt concrete	Asphalt binder/Fuel
41602	Continuous Cold Recycled Asphalt Base Course	Asphalt binder/Fuel

Monthly adjustments will be accrued with the payment or rebate to be made in the final voucher. A partial price adjustment payment may be made once every 12 months or when the unpaid accrued increase exceeds \$10,000 when requested in writing. The Government will withhold a rebate when the deductive accrual exceeds \$10,000.

No Price adjustment will be made for work performed beyond the completion date.

The maximum allowable monthly and final adjustment for payment to the Contractor or rebate to the Government is limited to 50% of the Base Price Index.

(a) Asphalt Binder Adjustment. The Government will determine price indexes using price data obtained from the “Asphalt Weekly Monitor[®]” by Poten and Partners, Inc. The weekly high and low selling price data for “typical non-modified paving grade asphalt” reported for the Rocky Mountains (Boise, Idaho area) will be averaged and used to establish a Base Price Index (BPI) and a Monthly Performance Price Index (MPPI). These indexes are defined as follows:

(1) Base Price Index. The Base Price Index (BPI) is a price index determined by the arithmetic average for prices in the four “Asphalt Weekly Monitor[®]” publications immediately preceding the bid opening.

$$BPI_{(\text{Asphalt Binder})} = \$ [\text{PRICE TO BE INSERTED AT AWARD}] \text{ per metric ton}$$

(2) Monthly Performance Price Index. The Monthly Performance Price Index (MPPI) is the arithmetic average of the weekly price data from four “Asphalt Weekly Monitor[®]” publications issued before the last Wednesday of the month in which the work was performed.

The BPI and MPPI will be posted at:

<http://www.wfl.fhwa.dot.gov/construction/escalation/>

Price adjustments to asphalt binder will be calculated by the Government using a ratio of the MPPI/BPI to determine price adjustments as follows:

- **No Price Adjustment** – When the ratio MPPI/BPI falls within the range of 0.90 to 1.10, no price adjustment will be made for asphalt binder used in construction work performed during the relevant month.
- **Government Rebate** – When the ratio MPPI/BPI is calculated to be less than 0.90, the Government is due a rebate as follows:

$$\text{Government Rebate} = (0.90 - \text{MPPI/BPI}) (\text{BPI}) (Q)$$

- **Contractor Payment** - When the ratio MPPI/BPI is calculated to be greater than 1.10, the Contractor is due additional payment as follows:

$$\text{Contractor Payment} = (\text{MPPI/BPI} - 1.10) (\text{BPI}) (Q)$$

Where:

Q = Table 109-1 pay item quantity (tons) x (% Asphalt Binder/100). The percentage of asphalt binder as determined from the approved job-mix formula.

(b) Fuel Price Adjustment. The Government will determine price indexes for fuel using price data obtained from the Oil Price Information Service (OPIS) which publishes a daily report (Monday through Friday) on gasoline and distillate reseller prices. Gross No. 2 Distillate rack average price data for Ultra Low Sulfur No. 2 Diesel fuel reported for Boise, Idaho (PADD 4) will be averaged and used to establish a Base Price Index (BPI) and a Monthly Performance Price Index (MPPI). These indexes are defined as follows:

(1) Base Price Index. The Base Price Index (BPI) is a price index determined by the arithmetic average as specified above, reported in the OPIS publications for the four weeks immediately preceding the bid opening.

$$\text{BPI}_{(\text{LOW SULFUR, NO. 2 DIESEL FUEL})} = \$ [\text{PRICE TO BE INSERTED AT AWARD}] \text{ per U.S. gallon}$$

(2) Monthly Performance Price Index. The Monthly Performance Price Index (MPPI) is the arithmetic average of the weekly price data from OPIS publications issued before the last Wednesday of the month in which the work was performed.

The BPI and MPPI will be posted at:

<http://www.wfl.fhwa.dot.gov/construction/escalation/>

Price adjustments to fuel will be calculated by the Government using a ratio of the MPPI/BPI to determine price adjustments as follows:

- **No Price Adjustment** – When the ratio MPPI/BPI falls within the range of 0.90 to 1.10, no price adjustment will be made for fuel used in construction work performed during the relevant month.
- **Government Rebate** – When the ratio MPPI/BPI is calculated to be less than 0.90, the Government is due a rebate as follows:

$$\text{Government Rebate} = (0.90 - \text{MPPI/BPI}) (\text{BPI}) (\text{Q}) (\text{FUF})$$

- **Contractor Payment** - When the ratio MPPI/BPI is calculated to be greater than 1.10, the Contractor is due additional payment as follows:

$$\text{Contractor Payment} = (\text{MPPI/BPI} - 1.10) (\text{BPI}) (\text{Q}) (\text{FUF})$$

Where:

Q = Quantity of work on the project during the progress payment period for pay items shown in Table 109-2.

FUF = Fuel Usage Factor shown in Table 109-2.

Table 109-2
Fuel Usage Factors

Pay Items	Fuel Usage Factor⁽²⁾
Section 204 – Excavation and Embankment 20402 Subexcavation 20410 Select borrow	0.39 gallons/meter ³
Section 308 – Minor Crushed Aggregate 30802 Roadway Aggregate, Method 1	0.77 gallons/ton
Section 401 – Superpave Hot Asphalt Concrete Pavement 40101 Superpave pavement	2.65 gallons/ton
Section 404 – Minor Hot Asphalt Concrete 40401 Minor Hot Asphalt Concrete	2.65 gallons/ton
Section 416 – Continuous Cold Recycled Asphalt Base Course 41602 Continuous cold recycled asphalt base course	0.18 gallons/meter ²

(1) The Government will convert pay item quantities to match Fuel Usage Factor units.

(2) Fuel Usage Factor based on U.S. gallons.

109.08 Progress Payments. Amend as follows:

Delete the text of paragraph (b) and substitute the following:

(b) Closing date and invoice submittal date. The closing date for progress payments will be designated by the CO. Include work performed after the closing date in the following month's invoice. For work performed between September and July of any year, submit invoices to the designated billing office by the 7th day after the closing date. Invoices received by the designated billing office after the 16th day following the closing date, for work included in the September through July invoices, will not be accepted for payment processing that month. For work included in the August invoice, submit the invoice to the designated billing office by the 5th day after the closing date. Invoices received by the designated billing office after the 5th day following the closing date, for work included in the August invoice, will not be accepted for payment processing that month. Include late, unprocessed invoice submittals in the following month's invoice.

Delete the text of paragraph (e) and substitute the following:

(e) Processing progress payment requests. No payment will be made for work unless field note documentation for the work was provided by the closing date.

(1) Work performed between September and July

(a) Invoices received by the 7th day following the closing date.

(1) Proper invoices. If the invoice meets the requirements of Subsection 109.08(c), and the quantities and unit prices shown on the contractor's invoice agree with the corresponding quantities and unit prices shown on the Government's receiving report, the invoice will be paid.

(2) Defective invoices. If the invoice does not meet the requirements of Subsection 109.08(c), or if any of the quantities or unit prices shown on the contractor's invoice exceed the corresponding quantities and unit prices shown on the Government's receiving report, the invoice will be deemed defective and the Contractor so notified according to FAR Clause 52.232-27(a)(2). Defective invoices will not be corrected by the Government and will be returned to the contractor within 7 days after the Government's designated billing office receives the invoice.

Revise and resubmit returned invoices by the 18th day following the closing date. The CO will evaluate the revised invoice. If the invoice still does not meet the requirements of Subsection 109.08(c), the contractor will be so notified according to FAR Clause 52.232-27(a)(2), and no progress payment will be made that month. Correct the deficiencies and resubmit the invoice the following month.

If the revised invoice meets the requirements of Subsection 109.08(c), but still has quantities or unit prices exceeding the corresponding quantities and unit prices shown on the Government's receiving report, the Government's data for that item of work will be used. The contractor's invoice, as revised by the Government's receiving report, will be forwarded for processing by the 23rd day following the closing date. The contractor will be notified by the 23rd day following the closing date of the reasons for any changes to the invoice.

(b) Invoices received between the 8th and 16th day following the closing date.

(1) Proper invoices. If the invoice meets the requirements of Subsection 109.08(c), and the quantities and unit prices shown on the Contractor's invoice agree with the corresponding quantities and unit prices shown on the CO's receiving report, the invoice will be deemed proper and forwarded for processing within 7 days of receipt.

(2) Defective invoices. If the invoice does not meet the requirements of Subsection 109.08(c), the invoice will be deemed defective, the Contractor so notified according to FAR Clause 52.232-27(a)(2), and no progress payment will be made that month. Correct the deficiencies and resubmit the invoice the following month.

If the invoice meets the requirements of Subsection 109.08(c), but has quantities or unit prices exceeding the corresponding quantities and unit prices shown on the Government's receiving report, the Government's data for that item of work will be used. The contractor's invoice, as revised by the Government's receiving report, will be forwarded for processing within 7 days after receiving the invoice. The contractor will be notified, within 7 days of the Government's receipt of the invoice, of the reasons for any changes to the invoice.

(2) Work performed during August

(a) Proper invoices. If the invoice meets the requirements of Subsection 109.08(c), and the quantities and unit prices shown on the Contractor's invoice agree with the corresponding quantities and unit prices shown on the CO's receiving report, the invoice will be deemed proper and forwarded for processing within 7 days of receipt.

(b) Defective invoices. If the invoice does not meet the requirements of Subsection 109.08(c), the invoice will be deemed defective, the Contractor so notified according to FAR Clause 52.232-27(a)(2), and no progress payment will be made that month. Correct the deficiencies and resubmit the invoice the following month.

If the invoice meets the requirements of Subsection 109.08(c), but has quantities or unit prices exceeding the corresponding quantities and unit prices shown on the Government's receiving report, the Government's data for that item of work will be

used. The contractor's invoice, as revised by the Government's receiving report, will be forwarded for processing within 7 days after receiving the invoice. The contractor will be notified, within 7 days of the Government's receipt of the invoice, of the reasons for any changes to the invoice.

Delete the text of paragraph (f) and substitute the following:

(f) Partial payments. Invoices may include the following:

(1) Progress payments may include partial payment for material to be incorporated in the work, provided the material meets the requirements of the contract and is delivered on, or in the vicinity of, the project site or stored in acceptable storage places.

Partial payment for material does not constitute acceptance of such material for use in completing items of work. Partial payments will not be made for living or perishable material until incorporated into the project.

(2) Partial payment for preparatory work. Partial payment for preparatory work does not constitute acceptance of work.

Individual and cumulative partial payments for preparatory work and material will not exceed the lesser of:

- 80 percent of the contract bid price for the item; or
- 100 percent of amount supported by copies of invoices submitted.

The quantity paid will not exceed the corresponding quantity estimated in the contract.

Submit pay notes according to Section 153. Provide a cost breakdown of the bid item components and submit invoices or other documents supporting the partial payment.

The CO may adjust partial payments as necessary to protect the Government.

Section 152.— CONSTRUCTION SURVEY AND STAKING

Construction Requirements

152.02 General. Delete the text of this Subsection and substitute the following:

At the preconstruction conference, submit a cost breakdown of the individual items included in the lump sum item for use in making progress payments.

(a) Survey schedule. Include staking activities in the construction schedule submitted according to Section 155. Include the dates and sequence of each staking activity.

(b) Government set reference lines and points. The Government has set horizontal and vertical control points for the project. The location and identity of each control point are shown on the plans.

Before beginning construction, notify the CO of any missing control points. The Government will reestablish initial control points before the beginning of construction.

(c) Government furnished information. The Government will furnish the following data relating to horizontal and vertical alignment and other design data:

(1) X, Y, Z coordinates (horizontal and vertical control points);

Perform additional calculations for convenient use of Government-furnished data. Provide immediate notification of apparent errors in the furnished data.

(d) Pre-survey meeting. Before surveying or staking, discuss and coordinate the following with the CO:

(1) Surveying and staking methods;

(2) Stake marking;

(3) Grade control for courses of material;

(4) Referencing;

(5) Structure control; and

(6) Any other procedures and controls necessary for the work.

Preserve all initial reference and control points. After beginning construction, replace all destroyed or disturbed initial reference or control points necessary to the work.

Prepare field notes in an approved format. Sample note formats are available as listed in Subsection 106.01. Furnish all survey notes at least weekly.

Survey and establish controls within the tolerances shown in Table 152-1. The construction survey and staking work may be spot-checked for accuracy, and unacceptable portions of work may be rejected. Resurvey rejected work, and correct work that is not within the tolerances specified in Table 152-1. Acceptance of the construction staking does not relieve the Contractor of responsibility for correcting errors discovered during the work and for bearing all additional costs associated with the error.

Start work only after staking for the affected work is accepted.

Compute and furnish calculations supporting pay quantities. Measure quantities within the tolerances shown in Table 152-2.

All field notes, pay notes, and supporting documentation become the property of the Government upon completion of the work.

Remove and dispose of all flagging, lath, stakes, and other staking material after the project is complete. Remove visible portions of brushes if used to mark grade finishing stakes.

152.03 Survey and Staking Requirements. Delete the text of this Subsection and substitute the following:

Perform all survey, staking, recording of data, and calculations as necessary to construct the project from the initial layout to final completion. Reset stakes as many times as necessary to construct the work. Survey work under this contract includes layout, control, and measurement as necessary to adequately construct the project. Staking for this project will include the following:

(a) Control points. Relocate initial horizontal and vertical control points in conflict with construction to areas that will not be disturbed by construction operations. Furnish the coordinates and elevations for the relocated points before the initial points are disturbed.

(b) Centerline establishment and reference points (entire project). Locate the existing centerline and set reference points. The maximum centerline spacing between reference points is 10 m when the centerline radius is less than or equal to 150 m. When centerline curve radius is greater than 150 m, the maximum centerline spacing between reference points is 20 m. Establish the station and reference, horizontally and vertically, for each centerline point to a control point. Measure and record the horizontal distance normal to the centerline, the vertical difference between the centerline and control point, and the centerline stationing on the stake and in the notes.

(c) Roadway cross-sections (subexcavation areas only). Take roadway cross-sections of the existing pavement normal to centerline. Along each cross-section, measure and record points at centerline, left and right shoulder stripes, and left and right ditch flow lines.

Take additional cross-sections at significant breaks in topography and at changes in the typical section. Along each cross-section, measure and record points at breaks in topography, but no further apart than 5 meters. Measure and record points to at least the anticipated slope stake and reference locations. Reduce all cross-section distances to horizontal distances from centerline.

Use this data to reestablish grade finish stakes as provided in Subsection 152.03.

(d) Grade finishing stakes (subexcavation areas only). The intent of this project is to construct the new roadway to the same line and grade as the original roadway.

Use the data collected in (b) and (c) above, and the typical section, to calculate the required elevations for centerline and shoulders of the select borrow, roadway aggregate method 1 and minor hot asphalt concrete surface. Also use this data to reestablish the ditch flow line.

Set grade finishing stakes, for grade elevations and horizontal alignment, on centerline and on each shoulder at the top of select borrow, and roadway aggregate method 1.

Where turnouts are constructed, set stakes on centerline, on each normal shoulder, and on the shoulder of the turnout.

The maximum longitudinal spacing between stakes is 10 meters when the centerline curve radius is less than or equal to 150 meters. When the centerline curve radius is greater than 150 meters, the maximum longitudinal spacing between stakes is 20 meters. The maximum transverse spacing between stakes is 5 meters. Use brushes or guard stakes at each stake.

(e) Culverts. Stake culverts to fit field conditions. The location of culverts may differ from the plans. Perform the following:

- (1) Survey and record the ground profile along the culvert centerline.
- (2) Determine the slope catch points at the inlet and outlet.
- (3) Set reference points and record information necessary to determine culvert length and end treatments.
- (4) Plot-to-scale the profile along the culvert centerline. Show the natural ground, the flow line, the roadway section, and the culvert including end treatments and other appurtenances. Show elevations, grade, culvert length, and degree of elbow.
- (5) Submit the plotted field-design cross-section for approval of final culvert length and alignment. Allow 7 days for approval or rejection of cross sections.
- (6) When the field design has been approved, set drainage structure survey stakes, reference stakes, and stake inlet and outlet ditches to make the structure functional.
- (7) Stake or grade ditches to make the culvert functional.

(f) Borrow and waste sites. Perform the work essential for initial layout and measurement of the borrow or waste site. Establish a referenced baseline and site limits. Survey and record initial and final cross-sections.

(g) Miscellaneous survey and staking. Perform all surveying, staking, and recording of data essential for establishing the layout and control of the following, as applicable:

- (1) Approach roads and trails;
- (2) Turf establishment;
- (3) Signs, delineators, and object markers;
- (4) Pavement markings
- (5) Subexcavation.

(h) Asphalt paver reference line. Set adequate horizontal control points or reference lines for asphalt concrete paver as specified in Subsection 401.13.

Add the following to Table 152-1.

Table 152-1
Construction Survey and Staking Tolerances
(continued)

Staking Phase	Horizontal	Vertical
Asphalt paver reference line	±50 millimeters	—

Added Table.

Table 152-2
Measurement Tolerances

Pay Unit	Horizontal	Vertical
Cubic meter	50 millimeters or 1:500 whichever is greater	100 millimeters or 1:333 whichever is greater
Hectare	300 millimeters or 1:100 whichever is greater	—
Kilometer	1 meter or 1:1000 whichever is greater	—
Meter	50 millimeters or 1:500 whichever is greater	—
Square meter	50 millimeters or 1:500 whichever is greater	—

Payment

152.06 Delete the second paragraph and substitute the following:

Payment for lump sum items will be prorated based on the progress of the work under this Section

Section 153.— CONTRACTOR QUALITY CONTROL

Delete the text of this Section and substitute the following:

Description

153.01 This work consists of obtaining samples for quality control testing, performing quality control tests, providing inspection, and exercising management control to ensure that work conforms to the contract requirements. See FAR Clause 52.246-12 Inspection of Construction.

Construction Requirements

153.02 Personnel Qualifications. Furnish a quality control manager with at least one year of experience managing highway construction quality control or quality assurance programs and meeting one of the following requirements:

- (a) A Bachelor of Science degree from a four year program of a civil engineering, civil engineering technology, construction management, or construction engineering program;
- (b) 2 years experience as a superintendent of a road or highway construction firm;
- (c) A level four highway construction or highway materials NICET certification; or
- (d) 4 years experience as a highway construction inspection or materials quality control supervisory technician.

153.03 General. Provide a quality control system that plans, performs, and documents quality control activities.

Alternative quality control systems that meet the intent of this specification may be approved by contract modification if approved by the CO.

Provide a quality control manager on-project during work with the authority to stop work not in compliance or cease work that will result in non-compliance with contract requirements.

Identify an alternate in the manager's absence. The alternate must meet the qualifications for a quality control manager. An alternate may not act for the quality control manager for a period greater than 3 days unless approved by the CO.

Submit names and qualifications of the quality control manager and any alternate to the CO for approval 14 days before start of work.

Furnish additional quality control staff (inspectors, testers, reviewers, and clerical assistants) to complete the work as specified in this Section. Provide names and qualifications of additional personnel to the CO 14 days before start of work.

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Do not designate superintendents, foremen, and traffic and safety supervisors as quality control manager or other quality control personnel.

153.04 Quality Control Plans. Provide quality control plans for selected work features. The absence of a plan for other items of work does not relieve the Contractor of complying with the contract requirements. Quality control plans and activities provided under this specification are minimum requirements. Other quality control activities may be required to provide effective quality management.

(a) Development. Develop quality control plans for the following work features:

- Construction Survey and Staking (Section 152);
- Subexcavation (Section 204);
- Aggregate Course (Sections 308);
- Asphalt Pavement (Sections 401);
- Minor Hot Asphalt Concrete (Section 404);
- Continuous Cold Recycled Asphalt Base Course (Section 416); and
- Drainage Structures (Sections 602, 605).

Use “*Contractor Quality Control Plan*” (Form WFLHD 471) to prepare the quality control plan for each work feature. For an electronic version of the form go to <http://www.wfl.fha.dot.gov/other/it/forms/wflhd471.xls>.

Complete the first three columns of form WFLHD 471 and submit to the CO for acceptance at least 7 days before commencing work. Address the following activities on the worksheet:

- (1)** Review contract requirements, plans and specifications independently and with construction supervisory staff;
- (2)** Check and verify submittals, plans, and materials certifications meet contract requirements and submit to CO for approval. Provide statement and signature of verification according to Subsection 106.03;
- (3)** Check site conditions for constructability, including staging, disposal and storage areas. Verify materials delivered to the site conform to accepted materials certifications, submittals, plans and contract requirements before incorporating into the project.
- (4)** Review construction staking to assure it meets contract requirements, accuracy and sufficiency for each work feature;
- (5)** Provide an operational work plan. Include a brief written narrative of the work activity for the feature describing methods, locations, crews, equipment and methods to be used to complete the work;

(6) Conduct pre-work meetings. Review contract requirements with construction crew, foremen, and Government personnel before beginning work. Provide an overview of the operational work plan;

(7) Ensure construction methods will result in the end product meeting the contract requirements. Verify by including as a minimum the:

- quality control inspection and measurement requirements in Table 153-2;
- quality control sampling and testing requirements in Table 153-1; and
- sampling and testing requirements at the end of each specific Section.

Perform corrective actions as needed to ensure work meets contract requirements.

(8) Provide immediate on-site presence to communicate status of work to FHWA personnel and contractor personnel and for quality control issue resolution;

(9) Verify completed work meets contract requirements.

Revise quality control plans when personnel, activities, or processes change or when deficiencies occur in the work.

The CO may request additional quality control plans for work features not listed above if work in progress or completed work is in nonconformance with contract requirements or lacks an effective quality control process.

(b) Implementation. Implement quality control activities as described in the accepted plan. Do not begin a work feature until the plan is approved by the CO and a prework meeting (Activity 6) is performed.

(1) QC Reports - Report quality control meetings, reviews, inspections, measurements, testing activities, corrective actions, and discussions that verify work meets requirements as quality control activities listed in “*Contractor Quality Control Plan*” (Form WFLHD 471) are completed. Provide narrative and original support data. Document findings such as deficiencies found in the work and describe corrective actions, adjustments to frequency of quality control activities, and method or process changes to correct and eliminate future deficiencies. Provide reports daily to the CO or as specified in the quality control plan. Include the following certification:

"I certify that the information contained in this record is accurate, and that all work documented herein complies with the requirements of the contract. Any exceptions to this certification are documented as a part of this record."

(2) Notification of Completion of Work - Submit a completed “*Notification of Completion of Work*” (Form WFLHD 470) when work listed in Subsection 153.06 is ready for inspection.

(c) Post-Work Quality Control. As quality control activities listed in Subsection 153.04(a) are completed, fill in the last two columns of WFLHD 471. Maintain and update the worksheet and make available to the CO upon request. Provide the completed worksheet and attachments to the CO within one day of substantially completing the work feature.

153.05 Quality Control Sampling and Testing. Provide sampling and testing as listed in Table 153-1.

Testing of trial samples may be required to demonstrate testing competence.

Sample and split samples according to AASHTO or other acceptable procedures. Allow the CO the opportunity to witness all sampling. Immediately perform splits when required. Deliver the Government's portion of the sample or split sample in an acceptable container suitable for shipment. Label all samples with the following information:

- Project number;
- Source of material;
- Pay item number;
- Sample number;
- Date sampled;
- Time sampled;
- Location sample taken;
- Name of person sampling;
- Name of person witnessing sampling; and
- Type of test required on sample.

Provide the following documentation:

(a) Quality Control Test Results. Report test results on forms containing all sample information required by Subsection 153.05. Attach worksheets used to determine test values to the test result forms when submitted.

(b) Control Charts. Maintain linear control charts that identify the project number, contract item number, test number, each test parameter, the upper and/or lower specification limit applicable to each test parameter, and test results. Use the control charts to document the variability of the process, identify production and equipment problems, and identify potential pay factor adjustments. Make corrections to the process when problems are evident. Post charts at the Contractor's project testing lab and on site.

153.06 Government Quality Assurance Inspection. Submit a “*Notification of Completion of Work*” (Form WFLHD 470) when the following work is ready for inspection:

(a) Allow 1 working day for the following work to be inspected.

(1) **Survey and staking (field stakes and notes).** Provide survey notes for the following:

(a) Control points – before commencing construction operations;

(b) Centerline Reestablishment – before beginning pavement removal operations;

(c) Subexcavation – before commencing pavement removal operations;

(2) **Construction work.**

(a) Subgrade – before placing pavement structure;

(b) Any layer of pavement structure requiring hubs – before placing next layer; and

(c) Structural excavation – before backfilling.

153.07 Acceptance. Contractor quality control will be evaluated under Subsections 106.02 and 106.04 based on the demonstrated ability of Contractor’s quality control system to ensure work meets the contract requirements.

If the Government’s testing and inspection (quality assurance) indicate that the Contractor’s quality control system is ineffective or the plans are not being followed; make immediate improvements to correct inadequacies. Furnish notification in writing of improvements and modifications to the system.

A maximum of 10 percent of the total progress payment amount will be retained and affected project work may be stopped if a quality control plan is not accepted, the plan is not being followed, or work does not meet contract requirements.

Measurement

153.08 Measure the Section 153 items listed in the bid schedule according to Subsection 109.02.

Payment

153.09 The accepted quantities, measured as provided in Subsection 109.02 and above, will be paid at the contract price per unit of measurement for the Section 153 pay items listed in the bid schedule. Payment will be full compensation for the work prescribed in this Section. See Subsection 109.05.

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Payment for the lump sum item will be prorated based on the total work completed for this Section.

Table 153-1 continued
Quality Control Sampling and Testing Requirements

Material or Product	Characteristic	Test Method or Specification	Sampling Frequency	Point of Sampling	Split Sample	Reporting Time
Sections 401, 402, or 403 Hot Asphalt Concrete Pavement						
Aggregate ⁽¹⁾ (Aggregate Production)	Gradation	AASHTO T 27 & AASHTO T 11	1 for each 6 hours of production but not less than 2 for each day	Flowing aggregate stream (bin or belt discharge) or conveyor belt	Yes, when requested	End of shift
	Fractured faces	ASTM D 5821	"	"	"	"
	Fine Aggregate Angularity ⁽²⁾	AASHTO T 304, Method A	"	"	"	"
	Flat & Elongated Particles ⁽²⁾	ASTM D 4791	"	"	"	"
	Sand equivalent	AASHTO T 176 Alternate Method No. 2, Referee Method	"	"	"	"
Sections 404 Minor Hot Asphalt Concrete						
Asphalt mixture	Compaction (Roadway paving)	ASTM D 2950	1 every 300 meters each lift	In place	No	End of shift

(1) If aggregate is separated into two or more stockpiles, sample and test each stockpile.

(2) Not required for Section 402 or 403 aggregate.

Table 153-2
Quality Control Inspection and Measurement Requirements

Activity	Characteristic	Specification or Activity	Tolerance and Reference	Measurement or Inspection Frequency	Point of Inspection or Measurement	Reporting Time
Section 152 Construction Survey and Staking						
Construction staking	Construction staking	Measurements to check accuracy and adequacy of construction staking	Subsection 152.03 and Table 152-1	15% of staked, lines points or marks. and 100% of staked or surveyed points, marks or lines on bridges, walls or other major structures	Completed staking	End of shift
Section 204 Roadway Excavation						
Preparation for Roadway excavation and embankment	Preparation for cut or embankment	Visual inspection	Subsection 204.04	Daily	Preparatory Grading Operation	24 hrs
Conserved topsoil	Conserving, stockpiling and separating	"	Subsection 204.05	"	Topsoil removal operation	"
Roadway excavation general	General requirements Rock cuts Earth cuts	"	Subsection 204.06	"	Grading operation	"
Subexcavation	Cross section prevent contamination, disposal, backfill and compaction	"	Subsection 204.07	"	"	"
Preparing foundation for embankment construction	Less than 4 feet above natural ground. Scarification of existing asphalt, concrete or gravel. Across ground not capable of supporting equipment. Existing slopes steeper than 1:3, embankment benching	"	Subsection 204.09 (a), (b),(c),(d)	"	"	"
Embankment construction	General, Embankment within roadway prism, Individual rock fragments and boulders, Outside roadway prism, other embankments	"	Subsection 204.10 (a) through (f)	"	"	"
Sloping, Shaping and finishing	Sloping, stepped slopes, shaping, finishing	"	Subsection 204.13 (a) through(d)	"	"	"

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Table 153-2, continued
Quality Control Inspection and Measurement Requirements

Activity	Characteristic	Specification or Activity	Tolerance and Reference	Measurement or Inspection Frequency	Point of Inspection or Measurement	Reporting Time
Section 209 Structure Excavation and Backfill						
Preparation for structural excavation	Preparation	Visual inspection	Subsection 209.03	Daily	Structural excavation	24 hrs
General structure excavation	Excavation, OSHA, saw cutting, conserving stockpiling and disposing	"	Subsection 209.04	"	"	"
Foundation preparation	Unsuitable material and keying	"	Subsection 209.08	"	"	"
Bedding	For box culverts and structures other than pipe culverts. For pipe culverts	"	Subsection 209.09	"	"	"
Backfill	Pipe culverts, arch culverts with headwalls, patching existing pavement, loads against concrete, lift thickness	"	Subsection 209.10	"	"	"
Section 308 Minor Crushed Aggregate						
Preparing surface	Roadway aggregate, bedding and backfill aggregate	Visual inspection and verification measurement see Subsection 303.07	Subsection 308.03	Daily	Roadway	24 hrs
Placing	Roadway aggregate, bedding and backfill aggregate	Visual inspection and verification measurement see Subsection 308.05(a)	Subsection 308.04	"	"	"
Compacting and finishing	Roadway aggregate, bedding and backfill aggregate	Visual inspection and verification measurement see Subsections 204.11 & 301.06	Subsection 308.05	Daily and Minimum of one finish tolerance verification measurement every 60 meters horizontal	"	4 hrs

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Table 153-2, continued
Quality Control Inspection and Measurement Requirements

Activity	Characteristic	Specification or Activity	Tolerance and Reference	Measurement or Inspection Frequency	Point of Inspection or Measurement	Reporting Time
Sections 401, 402, or 403 Hot Asphalt Concrete Pavement						
See Subsection 401.12 for inspection, measuring, testing and reporting requirements of production start up procedures						
Mixing plant	All plants, drum dryer-mixer plants, batch and continuous plants	Visual inspection	Subsection 401.04(a),(b) or (c)	Once at initial set up of plant or change in plant system	Installation	End of shift
Pavers	Screeds, augers, heated, paving width, hopper, automatic feed controls, speed, smoothness, automatic screed controls	"	Subsection 401.05 (a) through (h)	Once at mobilization of paving machine or change of equipment	"	"
Surface preparation	Tack application	"	Subsection 401.06	Daily	Roadway	"
Weather limitations	Temperature, moisture	Verification measurement and visual inspection	Subsection 401.07	"	"	"
Asphalt preparation	Heating asphalt	Visual inspection	Subsection 401.08	"	"	"
Aggregate preparation	Mineral filler, mixing, pugmill, moisture content	"	Subsection 401.09	"	Plant	"
Mixing	Mixing and discharge temperature	"	Subsection 401.10	"	Plant	"
Hauling	Coating trailer beds, covers, access ports for checking temperature	"	Subsection 401.11	"	Plant or roadway	"
Production startup procedures	Pre-paving Conference and control strip	See Subsection 401.12 for testing and reporting requirements	Subsection 401.12	Before production paving	Plant and Roadway	
Placing and finishing	Placement temperature, line and grade control, offset longitudinal joint	"	Subsection 401.13	"	Roadway	"
Compacting		Visual inspection, and see Section 401 under Table 153-1 for testing requirements	Subsection 401.14			
Joints, trimming and cleanup	Completion of adjacent lanes, connections, tack for joints	"	Subsection 401.15	"	"	"

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Table 153-2, continued
Quality Control Inspection and Measurement Requirements

Activity	Characteristic	Specification or Activity	Tolerance and Reference	Measurement or Inspection Frequency	Point of Inspection or Measurement	Reporting Time
Section 416 Continuous Cold Recycled Asphalt Base Course						
Surface preparation	Clean existing surface	Visual inspection	Subsection 416.04	Daily ahead of pavement milling	Roadway	End of shift
Weather limitations	Temperature and moisture requirements	"	Subsection 416.05	Daily	"	"
Pavement milling	Equipment requirements and reduction of oversize material	"	Subsection 416.06 (a) through (e)	Upon mobilization of equipment	"	"
Mixing and proportioning	Equipment requirements, quicklime incorporation and monitoring milling, mixing and placement	"	Subsection 416.07 (a) through (c)	Upon mobilization for equipment and daily for mixing and proportioning	"	"
Spreading, finishing and compacting	Paving equipment, Initial compaction, pavement smoothness, final compaction and curing	Visual inspection and verification measurement for smoothness	Subsection 416.08 (a) through (d)	Upon mobilization for equipment, one test every 200' horizontal for smoothness and daily for other	"	"
Fog seal	Fog seal and blotter	Visual inspection	Subsection 416.09	Daily	"	"
Section 602 Culverts and Drains						
General	Contiguous materials, location, length, Section 209, excavation, backfill	Visual inspection and verification measurements of culvert staking and lift thickness See Section 209 and 152 See Table 153-2 for quality control testing	Subsection 602.03	Daily	Installation	24 hrs
Laying concrete pipe and precast concrete box culverts	Mortared joints, gasket joints,	Visual inspection	Subsection 602.04	"	"	"
Laying metal pipe	Metal lap joint location, coupling bands	"	Subsection 602.05	"	"	"
Laying plastic pipe	Manufacture's recommendation	"	Subsection 602.06	"	"	"
Laying slotted pipe	Coupling bands, backfill	"	Subsection 602.07	"	"	"
Grade adjustment of existing structures	Reconstruct existing walls, build up, other devices to adjust grade, cleaning, abandoning	"	Subsection 604.07	"	"	"

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Table 153-2, continued
Quality Control Inspection and Measurement Requirements

Activity	Characteristic	Specification or Activity	Tolerance and Reference	Measurement or Inspection Frequency	Point of Inspection or Measurement	Reporting Time
Section 605 Underdrains, Sheet Drains, and Pavement Edge Drains						
General	Contiguous materials, location, Section 209, excavation, backfill, geotextiles, outlet pipe	Visual inspection see Section 209 for quality control testing	Subsection 605.03	Daily	Installation	End of shift
Placing underdrain	Granular backfill, coupling, collector pipes, geocomposite underdrain	Visual inspection	Subsection 605.04	"	"	24 hrs
Placing geocomposite sheet drain	Waterproof membrane, splicing, lapping, backfill Section 208	Visual inspection and verification measurements see Section 208 for quality control testing	Subsection 605.05	"	"	End of shift

Section 154.— CONTRACTOR SAMPLING AND TESTING

Construction Requirements

154.02 Sampling. Amend as follows:

Add the following to the first paragraph:

When samples are required at the Vancouver Laboratory, send to

Material Section
Western Federal Lands Highway Division
610 East Fifth Street
Vancouver, Washington 98661

If samples are sent other than normal delivery vendors, call 360.619.7747 or 360.619.7592 before delivery. Deliveries will be accepted from 7 a.m. to 2:30 p.m. PT (Monday - Friday).

Access to the government complex is controlled, check-in is required at the main building entrance located on East Fifth Street. Directions will be given for delivery of samples.

Add the following:

The sampling frequencies and reporting times are listed in the individual sections ordering the work. See Subsections 401.03 for additional sampling and testing requirements.

154.04A Laboratory Trailer and Test Equipment. (Added Subsection.)

A Government-furnished laboratory trailer with testing equipment is offered for use on this project. To take advantage of this offer, address a request in writing to the Construction Management Analyst (Western Federal Lands Highway Division, 610 East Fifth Street, Vancouver, WA 98661), within 30 days after award of contract. Failure to do so will terminate the offer.

The laboratory trailer, License No. DOT 40926, and testing equipment are located at Western Federal Lands Highway Division, 610 East Fifth Street, Vancouver, Washington. The specifications for the trailer are as follows:

- Width = 3.0 meters
- Length = 11.0 meters
- Height = 3.7 meters
- Gross Vehicle Weight (GVW) = 6,125 kilograms

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- Tongue Weight = 2,045 kilograms
- Ball Requirements = 58.74 millimeters (2 5/16 inch)
- 3 axles with electric brakes

Before the trailer will be released for delivery, hauling vehicles must meet the following requirements:

- 2.27 ton (2.5 ton) GVW minimum;
- Ball height of 450 millimeters (18-inches) from ball to ground;
- Safety chains;
- Brake control (normal and break-away);
- Wiring harness for lights and brakes;
- Wide load signs;
- Transportation permits, if required; and
- Spare wheels and tires for trailer (USC 8-inch x 14.5-inch).

Provide an authorization from the Contractor to accept delivery of the trailer.

Provide 14 day written notice before arriving to pickup the trailer. Pickup, return, and inspection of the trailer and equipment may be scheduled between the hours of 7 a.m. and 3:30 p.m., Monday through Friday, except holidays. Notify the CO 48 hours before returning the trailer to the Vancouver office.

A list of testing equipment may be obtained by calling the Contracts Section at 360.619.7520, e-mailing at contracts@mail.wfl.fha.dot.gov, or by fax at 360.619.7932.

Determine if the laboratory trailer and testing equipment are adequate to perform all testing required by the Contract. Check equipment (especially scales and gyratory compactor) and recalibrate as necessary after transporting the trailer. Submit written documentation to the CO that the equipment is properly calibrated.

A rental fee of \$400 per month will be deducted from progress payments, except during non-work periods on the project in excess of 30 days. Fees will begin 5 days after receipt of trailer from the Vancouver office. The fee will be prorated for periods less than one month at \$20 per day.

Return the laboratory trailer and equipment to Western Federal Lands Highway Division office in Vancouver, Washington within 14 days of the project being determined substantially complete or the rental fee will increase to \$50 per day. Fee assessments will include the day of return to the Vancouver office.

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Trailer and equipment will be inspected for damage or missing items. An invoice will be sent for the cost of replacing missing or damaged equipment and restoring the trailer to a working condition, less reasonable wear and tear. Costs incurred will be deducted from the final payment. A maximum of 30 days will be required to inspect the trailer and equipment after it is returned to Vancouver.

Follow the requirements of FAR Contract Clauses 52.245-1 – Government Property and 52.245-9 – Use and Charges and as follows.

- (a) Provide a representative to accept written responsibility for the trailer and equipment when it is checked out from the Vancouver office.
- (b) Testing equipment has been checked and calibrated to applicable specifications. Furnish any additional equipment required to perform tests not supplied with the laboratory trailer. Repair or replace equipment during use that requires calibration or does not meet specifications, due to wear and tear. Assume no responsibility for reasonable wear and tear to laboratory trailer and testing equipment upon final return to the Government. All equipment will remain or become the property of the Government.
- (c) Assume responsibility and bear costs of transporting, installing, repairing and maintenance of the trailer and equipment in a workable condition. Obtain all necessary permits. Adhere to requirements of the Laboratory Trailer Manual. Adequately anchor the awning to prevent damage. Do not perform tests in the trailer until it has been leveled and blocked according to the Laboratory Trailer Manual.
- (d) The trailer is wired with a 200-amp service box and contains a 90-gallon water tank. Provide a clean water supply, a 220-240 volt, 60 cycle commercial electric source, or a 220-240 volt, 60 cycle single phase ac regulated electrical supply of at least 60 kilowatts, and a supply of propane gas.
- (e) Provide 48-hour notice to the CO before transporting the trailer from the project.

Payment

154.07 Delete the text of the fifth paragraph and substitute the following:

Payment for all or part of this item may be retained, if Government verification testing invalidates the Contractor testing or the CO determines that documentation of sampling and testing is not adequate.

Section 155.— SCHEDULES FOR CONSTRUCTION CONTRACTS

Delete this Section and substitute the following:

Description

155.01 This work consists of scheduling and monitoring all construction activities. Follow the requirements of FAR Clause 52.236-15, Schedules for Construction Contracts.

Construction Requirements

155.02 Preliminary Work Plan. Do not begin work, except mobilization, traffic control, and Section 637 work, without an accepted preliminary work plan.

A preliminary work plan is a written narrative of contract activities for the first 45 days after the Notice to Proceed has been issued. Include the following:

- A title page stating the contract number, project number, project name, Contractor name, current fixed completion date, date of submittal, submittal number, and “*Preliminary Work Plan*”;
- Describe work to be done within each activity including the type and quantity of equipment, labor, and materials to be used;
- Describe planned production rates by pay item quantities (e.g. cubic meters of roadway excavation per day);
- Describe the number of work days per week, holidays, number of shifts per day, and number of hours per shift. Include all calendars used in the schedule module;
- Estimate periods during which an activity is idle or partially idle. Include beginning and end dates;
- Describe expected and critical delivery dates for equipment or material that can affect timely completion of the project; and
- Identify the Vendor, Supplier, or Subcontractor to perform an activity. State assumptions made in scheduling their work.

Submit 3 copies of a preliminary work plan at least 7 days before the preconstruction conference. Within 7 days after the preconstruction conference, the preliminary work plan will be accepted or rejected. If rejected, submit a revised plan within 3 days.

155.03 Initial Construction Schedule. Prepare a construction schedule according to Subsection 155.04. Submit 3 paper copies and one electronic copy of the initial construction schedule within 20 days after the Notice to Proceed has been issued. In case of discrepancy, the paper version will govern over the electronic version of the schedule.

Show completion of work within the contract time.

Allow 7 days for approval or rejection of the schedule. If rejected, submit a revised schedule within 7 days.

Use the approved initial construction schedule as the baseline for the first construction schedule update.

A maximum of 10 percent of the total progress payment amount will be retained if an acceptable schedule is not received within 30 days after the Notice to Proceed is issued.

155.04 Construction Schedule. A construction schedule is a Critical Path Method (CPM) schedule and a written narrative. Include the following:

(a) A CPM schedule including the following:

- (1) A title page or header block with the contract number, project number, project name, Contractor name, current fixed completion date, date of submittal, and submittal number;
- (2) Show activity descriptions. Define and code activities to the contract pay items. Include activities for submittals, submittal reviews, fabrication, and deliveries. Do not include activities for continuous, non-critical items such as flagging, traffic control, QA/QC, etc;
- (3) Show activity durations. Break activities into subtasks such that no activity duration exceeds 30 calendar days. Break longer activities into two or more activities distinguished by location or some other description;
- (4) Show early start and finish dates;
- (5) Show late start and finish dates;
- (6) Show total float and free float;
- (7) Show predecessors;
- (8) Use a time scale to graphically show the work scheduled for performance;
- (9) Show the sequence and interdependence of all activities; and
- (10) Identify the critical path.

Float is a shared commodity and is not for the exclusive use of the contractor or the Government. Either party has the full use of float until it is depleted.

(b) A written narrative stating the basis and assumptions underlying the schedule including:

- (1) Describe work to be done within each activity including the type and quantity of equipment, labor, and materials to be used;
- (2) Describe planned production rates by pay item quantities (e.g. cubic meters of roadway excavation per day);
- (3) Describe the number of work days per week, holidays, number of shifts per day, and number of hours per shift. Include all calendars used in the schedule module;
- (4) Estimate periods during which an activity is idle or partially idle. Include beginning and end dates;
- (5) Describe expected and critical delivery dates for equipment or material that can affect timely completion of the project; and
- (6) Identify the Vendor, Supplier, or Subcontractor to perform an activity. State assumptions made in scheduling their work.

155.05 Updated Construction Schedule. Prepare a construction schedule according to Subsection 155.04. Submit three paper copies and one electronic copy of an updated construction schedule for acceptance by the 15th day of each month or when:

- (a) A delay occurs in the completion of a critical (major) activity;
- (b) A delay occurs which causes a change in the critical path for the CPM schedule;
- (c) The actual prosecution of the work is different from that represented on the current construction schedule;
- (d) There is an addition, deletion, or revision of activities caused by a contract modification; or
- (e) There is a change in the schedule logic.

Show completion of work within the contract time.

Allow 7 days for approval or rejection of the schedule. If rejected, submit a revised schedule within 7 days.

Use the approved initial or previous construction schedule as the baseline for the current construction schedule update.

A maximum of 10 percent of the total progress payment amount will be retained if an acceptable schedule is not received by the 15th day of the month.

155.06 Records. Submit a list of all records and documents that track progression of work. Indicate who will be responsible for maintaining the records and where the records will be located.

Provide the following documents:

(a) Notification of Completion of Work. Submit a completed WFLHD 470 *Notification of Completion of Work* when work is ready for inspection by the Government according to Subsection 153.06.

(b) Construction Operations Report. For each day of work, submit a completed “*Contractor's Daily Record of Construction Operations*” (Form WFLHD 465) or an approved alternate form within one day of the work being performed.

"I certify that the information contained in this record is accurate, and that all work documented herein complies with the requirements of the contract. Any exceptions to this certification are documented as a part of this record."

For an electronic version of the form go to:

<http://www.wfl.fha.dot.gov/other/it/forms/wflhd465A.pdf>.

155.07 Acceptance. Construction schedules, records, and documents will be evaluated under Subsection 106.02.

Measurement

155.08 Measure the Section 155 items listed in the bid schedule according to Subsection 109.02.

Payment

155.09 The accepted quantities will be paid at the contract price per unit of measurement for the Section 155 pay item listed in the bid schedule. Payment will be full compensation for the work prescribed in this Section. See Subsection 109.05.

Progress payments for construction schedule will be paid as follows:

(a) 25 percent of the item amount, not to exceed 0.5 percent of the original contract amount, will be paid after the construction schedule is accepted.

(b) Payment of the remaining portion of the lump sum will be prorated based on the total work completed.

Section 156.— PUBLIC TRAFFIC

Construction Requirements

156.03 Accommodating Traffic During Work. Add the following:

Immediately open all roads to emergency vehicles.

156.06 Limitations on Construction Operations. Amend as follows:

Delete paragraph (g) and substitute the following:

(g) Provide two-way radio communications between Traffic and Safety Supervisor, flaggers, and pilot cars. Provide two-way radio communications between flaggers unless flaggers are able to see each other and communicate. Citizen band radios are not acceptable. Make radio equipment available to the CO as necessary.

Add the following:

(k) Do not perform construction operations which interfere with public travel on the roadway on any holiday or between 6 p.m. Friday and 6 a.m. the following Monday, unless approved by the CO.

(l) For purposes of facilitating traffic, perform grading or surfacing part-width at a time. Make the width not under construction available to public traffic under alternate one-way control. Furnish pilot car and driver, or flaggers, or both, as ordered by the CO, to direct traffic through sections of road under one-way control.

(m) Do not perform construction operations on Memorial Day and Labor Day weekends. See Subsection 108.01(a).

(n) Complete placement of roadway aggregate, method 1 in subexcavation areas before end of each week to facilitate public traffic.

156.08 Traffic and Safety Supervisor. Amend as follows:

Delete the text in paragraph (f) and substitute the following:

(f) Coordinate and ensure that all traffic control devices are furnished, installed, maintained, removed, stored, replaced, relocated and cleaned according to Subsection 635.03 (a) through (i).

Add the following:

- (i) Inspect traffic control devices, including those in staging, storage, material sources, disposal areas, as follows:
 - (1) Daily during daylight hours when daylight work is being performed;
 - (2) Daily during hours of darkness when nighttime work is being performed;
 - (3) Weekly during daylight hours and hours of darkness when work is suspended for periods of more than one week except when the project has been shut down for the winter, and weekly during the hours of darkness when only daylight work is being performed. During periods of winter suspension, inspect only as requested by the CO;
 - (4) Additional inspections, day or night, as directed by the CO; and
 - (5) Provide reports of inspections to the CO in an acceptable format within 2 days.
- (j) Before winter suspension, conduct an inspection of the project with the CO to ensure proper provisions are made for winter travel during the period of suspension.
- (k) Operate vehicles while transporting the portable traffic control devices and personnel including construction signs, barricades, drums, cones, tubular markers and other traffic control devices.
- (l) Provide temporary flagging assistance.

Section 157.— SOIL EROSION CONTROL**Construction Requirements****157.13 Maintenance and Cleanup.** Add the following:

Restore ground to its intended condition and provide permanent erosion control measures for material waste site(s) and former waste sites listed in the plan set, as approved by the CO.

Permanent erosion control measures for former waste sites listed in the plan set will be applied prior to October 1, 2008.

Payment**157.16** Delete the text in (c) and substitute the following:

(c) Payment of the remaining portion of the unit bid price will be paid following completion of the contract.

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Section 203. — REMOVAL OF STRUCTURES AND OBSTRUCTIONS

Construction Requirements

203.05 Disposal of Material. Amend as follows:

Delete the first paragraph and substitute the following:

Dispose of debris and unsuitable and excess material other than asphalt, as follows:

Add the following at the end of the Subsection:

Dispose of asphalt as follows: Use as select borrow for backfill of subexcavation areas according to Subsections 204.07 and 704.07. Mix asphalt material with select borrow at a maximum ratio of 50/50.

Section 204.— EXCAVATION AND EMBANKMENT

Construction Requirements

204.07 Subexcavation. Delete the last two sentences of the first paragraph and substitute the following:

Backfill the subexcavation with select borrow material as shown in the plans. Place geotextile fabric as shown on the plans and according to Section 207. Place select borrow according to Subsection 204.10(b). Compact the material according to Subsection 204.11.

204.08 Borrow Excavation. Delete the text of this Subsection.

204.14 Disposal of Unsuitable or Excess Material. Delete the text of the first paragraph and substitute the following:

Unsuitable or excess material may be disposed of at Waste Sites shown on the plans. If material is disposed of off the project, comply with Subsection 107.10 as well as any applicable local, State, and Federal laws.

Measurement

204.16 Amend as follows:

(a) **Roadway Excavation.** Delete the text of this paragraph and substitute the following:

Do not measure roadway excavation for payment.

(b) **Unclassified borrow, select borrow, and select topping.** Delete the first paragraph and substitute the following:

Measure according to Subsection 109.02 (b).

(c) **Embankment construction.** (1) (b). Delete the text of this paragraph.

Section 209.— STRUCTURE EXCAVATION AND BACKFILL

Measurement and Payment

209.13 Delete the fourth paragraph and substitute the following:

Foundation fill ordered by the CO will be measured and paid for according to the method of measurement and agreed price established in the Contract Modification authorizing the work.

Section 308 — MINOR CRUSHED AGGREGATE

Measurement

308.07 Delete the second paragraph and substitute the following:

Measure crushed aggregate by the metric ton in the hauling vehicle.

**Section 401.— SUPERPAVE HOT ASPHALT CONCRETE
PAVEMENT**

Description

401.01 Add the following to the second paragraph:

Asphalt binder grade for this project is PG 58-34.

Construction Requirements

401.03 Composition of Mix (Job-Mix Formula). Delete Table 401-1 and substitute the following:

**Table 401-1
Superpave Hot Asphalt Concrete Pavement Design Requirements (AASHTO M323)**

Design ESAL (Million)	Gyratory Compaction Level (% Theoretical Maximum Specific Gravity, Gmm) AASHTO R 35			Minimum Voids-in-the-Mineral Aggregate (VMA), % ⁽⁴⁾				Voids Filled with Asphalt (VFA), % ⁽⁵⁾⁽⁶⁾	Dust-to- Binder Ratio ⁽¹⁾	Minimum Tensile Strength Ratio, AASHTO T 283 ⁽²⁾
				Nominal Maximum Size Aggregate ⁽³⁾						
	N _{Initial}	N _{Design}	N _{Max}	25.0mm	19.0mm	12.5mm	9.5mm			
< 0.3	6 (≤ 91.5 %)	50 (96 %)	75 (≤ 98 %)	12.0	13.0	14.0	15.0	70-80	0.8-1.6	0.80
0.3 to < 3	7 (≤ 90.5 %)	75 (96 %)	115 (≤ 98 %)					65-78		
3 to < 30	8 (≤ 89 %)	100 (96 %)	160 (≤ 98 %)					65-75		
≥ 30	9 (≤ 89 %)	125 (96 %)	205 (≤ 98 %)							

(1) Include non-liquid antistrip, baghouse fines, and other mineral matter added to the mixture. Calculate the ratio using effective asphalt content (calculated by mass of mix).

(2) Prepare specimens in accordance with AASHTO R 35.

(3) The nominal maximum size is one size greater than the first sieve to retain more than 10 percent of the combined aggregate.

(4) When mineral filler or hydrated lime is used, include in the calculation for compliance with the VMA.

(5) For 9.5-millimeter nominal maximum size aggregate mixtures with ≥ 3 million ESALs, provide a VFA of 73 to 76 percent.

(6) For 25.0-millimeter nominal maximum size aggregate mixtures with < 0.3 million ESALs, provide a VFA ≥ 67 percent.

401.08 Asphalt Preparation. Delete the first paragraph and substitute the following:

Uniformly heat the asphalt binder to provide a continuous supply of the heated asphalt binder from storage to mixer. Do not heat asphalt binder above 185° C.

401.09 Aggregate Preparation. Delete the fourth paragraph and substitute the following:

Control plant operations so the moisture content of the mix behind the paver is 0.5 percent or less according to AASHTO T 110 or AASHTO T 329.

401.16 Pavement Roughness. Delete the title and text of this Subsection and substitute the following:

The CO will measure roughness of the final paved surface course within 21 days after final rolling, of the completed roadway paving, and before placement of any surface treatment. In addition to the pavement roughness type requirements, construct all pavement surfaces to meet the requirements of paragraph (b).

(a) International roughness index (IRI). 7The CO will furnish and operate an inertial profiler conforming to AASHTO PP 50 and validated according to AASHTO PP 49. Furnish personnel to provide flagging operations as may be required. The CO will measure the pavement profile (a single trace) in the middle portion of each lane. Analysis of the profile data will be made using the latest version of the Profile Viewer and Analysis (ProVAL) software.

Areas of localized roughness will be identified using a report of continuous IRI with a base length of 7.62 meter. This will yield the IRI of every possible 7.62 meter segment. Any area for which the continuous report exceeds an IRI of 2.367 meters per kilometer will be considered a defective area requiring correction according to paragraph (c).

A report of continuous IRI is defined as the roughness profile from “Profiles from Roughness,” TRR 1260, by M. W. Sayers. Its use for detection of localized roughness, as required here, is demonstrated in “Using a Ride Quality Index for Construction Smoothness Specifications,” TRR 1861, by M. Swan and S. Karamihas.

An IRI value will be determined for each 0.1-lane kilometer of traveled way. Cattle guards and bridges not being overlayed will be excluded from the calculation of IRI and determination of localized roughness. Measure excluded areas according to (b).

(1) Type IV pavement roughness. The CO will measure the roughness of the existing surface before construction traffic. The existing surface is the original surface before overlaying, recycling, or milling. The existing IRI will be used to determine the percent improvement for each 0.1-kilometer segment.

The CO will measure the roughness of the final paved surface course. Defective areas are areas of localized roughness or 0.1-kilometer segments having a percent improvement less than 0.9 or 25.4 as determined from Table 401-4.

The percent improvement in IRI will be determined to one decimal place for each 0.1-kilometer segment according to the following formula:

$$\% \text{ Improvement} = [(\text{Original IRI} - \text{Final IRI}) / \text{Original IRI}] * 100$$

The pay adjustment factor computed to two decimal places for each 0.1-kilometer segment will be determined from Table 401-4. No deductions will be made for segments where the final IRI value is less than or equal to 1.184 meters per kilometer, provided the final IRI is less than or equal to the initial IRI.

Table 401-4
Type IV Pavement Roughness

Single Lift⁽¹⁾ Percent Improvement (%)	Pay Adjustment Factor⁽¹⁾	Multi-Lift⁽²⁾ Percent Improvement (%)	Pay Adjustment Factor⁽²⁾
Greater than 48.4	PAF = 7.00	Greater than 61.1	PAF = 7.00
24.8 to 48.4	PAF = 0.2954(%) – 7.30	43.3 to 61.1	PAF = 0.3910(%) – 16.89
12.4 to 24.7	PAF = 0.00	34.0 to 43.2	PAF = 0.00
0.9 to 12.3	PAF = 1.8261(%) – 22.63	25.4 to 33.9	PAF = 2.4419(%) – 83.02
Less than 0.9	Reject ⁽³⁾	Less than 25.4	Reject ⁽³⁾

(1) For single lift overlays with no other corrective work such as milling, grinding or preleveling in excess of 25 percent of the surface area the of existing pavement.

(2) For multiple lift operations such as milling, grinding or preleveling followed by one or more lifts of pavement or two or more lifts of pavement without milling, grinding or preleveling.

(3) Pay adjustment factor when corrections are not allowed equals minus 21.0.

(b) Type V pavement roughness (straightedge measurement). Use a 3-meter metal straight edge to measure at right angles and parallel to the centerline. Defective areas are surface deviations in excess of 6 millimeters in 3 meters between any two contacts of the straightedge with the surface.

(c) Defective area correction. Correct defective areas from (a) or (b) above. Obtain approval for the proposed method of correction. Grinding is an acceptable method of correction provided the area ground does not exceed 40 square meters per location, and is limited to an average of 1 location per lane kilometer with no more than two locations per lane kilometer. Grinding in excess of these limits is not an acceptable method of correction unless it is accompanied by an overlay or a single-course surface treatment over the entire length of the project.

If grinding is allowed, grind the pavement surface with a diamond blade machine and apply a fog seal according to Subsection 409.10. The endpoints of the areas where a grinder is to be applied must be optimized via grinding simulation. Grinding simulation must be done with the purpose of grinding the minimum area needed to decrease the roughness to acceptable limits.

If no corrections are allowed, no adjustment will be made to the average pay factor (P_{ave}) determined from Table 401-3 or the pay adjustment factors determined from Table 401-4.

If corrections are allowed, the CO will re-measure the pavement profile once at no expense to the Contractor. Subsequent re-measures will cost \$2,000. Data from analysis of the most recent profile measurement will be used to determine the P_{ave} determined from Table 401-3 or the pay adjustment factors determined from Table 401-4.

Each area of localized roughness remaining in the final paved surface course, regardless of whether corrections are allowed or not, will be accessed an additional deduction of \$200.

Payment

401.19 Delete the last paragraph and substitute the following:

When the bid schedule contains a pay item for Superpave hot asphalt concrete pavement type IV pavement roughness, a separate pay adjustment will be made. The dollar amount of the adjustment will be determined as follows:

$$\text{Type IV Pay Adjustment} = [(\sum \text{PAF}) * (\text{UBP})] - [200 * (\text{NLRA})]$$

where: $\sum \text{PAF}$ = summation of individual pay adjustment factors from Table 401-4

UBP = unit bid price

NLRA = number of localized roughness areas remaining in final pavement surface course

**Table 401-5
Asphalt Binder Pay Factor Table**

Tests on Original	Specifications (See 702.01)	Pay Factor =					
		1.05	1.00	0.95	0.90	0.75	Reject
Dynamic Shear Rheometer, kPa	≥ 1.00	≥ 1.12	1.00 to 1.11	0.99 to 0.88	0.87 to 0.71	0.70 to 0.50	< 0.50
Tests after Rolling Thin Film Oven (RTFO)							
Dynamic Shear Rheometer, kPa	≥ 2.20	≥ 2.584	2.583 to 2.200	2.199 to 1.816	1.815 to 1.432	1.431 to 1.048	< 1.048
Tests on Pressure Aging Vessel (PAV)							
Dynamic Shear Rheometer, kPa	≤ 5,000	≤ 4,711	4,712 to 5,000	5,001 to 5,289	5,290 to 5,578	5,579 to 5,867	> 5,867
Bending Beam Rheometer, s, MPa	≤ 300	≤ 262	263 to 300	Use DT	Use DT	Use DT	≥ 600
Bending Beam Rheometer, m	≥ 0.300	≥ 0.313	0.312 to 0.300	0.299 to 0.287	0.286 to 0.274	0.273 to 0.261	< 0.261
Direct Tension ⁽¹⁾ , %	≥ 1.00	N/A	≥ 1.00	0.99 to 0.86	0.85 to 0.71	0.70 to 0.56	< 0.56

(1) Use Direct Tension (DT) for payment if s-values from the Bending Beam Rheometer are between 300 and 600 MPa.

Delete Table 401-6 and substitute the following:

Table 401-6
Sampling and Testing Requirements

Material or Product	Type of Acceptance (Subsection)	Characteristic	Category	Test Methods Specifications	Sampling Frequency	Point of Sampling	Split Sample	Reporting Time
Aggregate source quality	Measured and tested for conformance (106.04 & 105)	L.A. abrasion (coarse)	—	AASHTO T 96	1 per type & not less than 5 per source of material ⁽¹⁾	Source of materials	Yes	Before producing
		Sodium sulfate soundness loss (coarse & fine)	—	AASHTO T 104	“	“	“	“
		Accelerated weathering	—	WFLHD-DMSO	“	“	“	“
		Durability Index (coarse & fine)	—	AASHTO T 210	“	“	“	“
Asphalt concrete (mix design)	Measured and tested for conformance (106.04)	Gradation	—	AASHTO T 27 & T 11	1 per submitted mix design	Stockpiles	Yes	28 days before producing
		VMA	—	AASHTO R 35	“	—	—	“
		VFA	—	“	“	—	—	“
		Voids	—	“	“	—	—	“
		TSR	—	AASHTO T 283	“	—	—	“

Table 401-6 (continued)
Sampling and Testing Requirements

Material or Product	Type of Acceptance (Subsection)	Characteristic	Category	Test Methods Specifications	Sampling Frequency	Point of Sampling	Split Sample	Reporting Time
Asphalt binder	Measured and tested for conformance (106.04)	Quality	—	Subsection 702.01	1 per submitted source & mix design 1 per 2100 t of mix, but not less than 5 samples	In line between tank & mixing plant	2 – 1-liter samples	—
Asphalt concrete mixture (all)	Measured and tested for conformance (106.04)	Mix temperature	—	—	First load & as determined by the CO thereafter	Hauling vehicle before dumping or windrow before picking up	—	Upon completing test
Hot asphalt concrete pavement (control strip)	Statistical (106.05)	Gradation	I	AASHTO T 308 & T 30	3 minimum	Behind paver before compacting	Yes	4 hours
		4.75 mm	I					
		600 µm	I					
		75 µm	I					
		Other specified sieves	II					
		Asphalt content	I	AASHTO T 308 & T 329	“	“	“	“
		VMA	I	AASHTO R 35	“	“	“	“
		VFA	I	“	“	“	“	“
		Core density ⁽²⁾	I	AASHTO T 166	5 minimum	In-place after compacting	Cores to CO after determining specific gravity & compaction	—
	Measured and tested for conformance (106.04)	Maximum specific gravity (density)	—	AASHTO T 209	3 minimum	Behind paver before compacting	Yes	24 hours

Table 401-6 (continued)
Sampling and Testing Requirements

Material or Product	Type of Acceptance (Subsection)	Characteristic	Category	Test Methods Specifications	Sampling Frequency	Point of Sampling	Split Sample	Reporting Time
Hot asphalt concrete pavement (production)	Statistical (106.05)	Asphalt content	I	AASHTO T 308 & 329	1 per 700 t	Behind paver before compacting	Yes	4 hours
		VMA	I	AASHTO R 35	"	"	"	"
		Core density ⁽²⁾	I	AASHTO T 166	"	In-place	Cores to CO after determining specific gravity	24 hours
	Measured and tested for conformance (106.04)	VFA	—	AASHTO R 35	"	Behind paver before compacting	Yes	4 hours
		Gradation	—	AASHTO T 308 & T 30	"	"	"	"
		Maximum specific gravity (density)	—	AASHTO T 209	At least 1 per day	"	"	"
Hot asphalt concrete pavement (final surface)	Statistical (106.05)	Type I & II smoothness	I	FLH T 504	See Subsection 401.16	See Subsection 401.16	—	14 days after final paving

Table 401-6 (continued)
Sampling and Testing Requirements

Material or Product	Type of Acceptance (Subsection)	Characteristic	Category	Test Methods Specifications	Sampling Frequency	Point of Sampling	Split Sample	Reporting Time
Hot asphalt concrete pavement (final surface)	Measured and tested for conformance (106.04)	Type III & IV roughness	—	AASHTO PP 49 & PP 50	See Subsection 401.16	See Subsection 401.16	—	14 days after final paving

- (1) Furnish a minimum of five reports, but not less than one report per rock type for each source. Reports must be dated within 1 year of intended use. Obtain samples representative of aggregate being furnished. Include rock type and sample location on test reports.
- (2) Cut core sample from the compacted pavement according to AASHTO T 230, method B. Fill and compact the sample holes with asphalt concrete mixture. Make cores 150 millimeters in diameter. Perform specific gravity and thickness tests on cores and deliver to CO after testing is completed. Label cores and protect from damage due to handling or alteration due to temperature during storage or transfer.

Section 411.— ASPHALT PRIME COAT

Construction Requirements

411.07 Acceptance. Delete the first paragraph and substitute the following:

Emulsified asphalt will be evaluated under Subsection 106.03.

Section 412.— ASPHALT TACK COAT

Construction Requirements

412.07 Acceptance. Delete the text of the first paragraph and substitute the following:

Emulsified asphalt will be evaluated under Subsections 106.02, 106.03, and 702.09.

Section 416.— CONTINUOUS COLD RECYCLED ASPHALT BASE COURSE

Construction Requirements

416.09 Fog Seal. Delete the text of this Subsection and substitute the following:

When there is a pay item for fog seal in the bid schedule and when directed by the CO, place a fog seal on the surface of the recycled base after completion of initial compaction, and before the end of the shift. Dilute the fog seal 50 percent by volume with water and apply it at a rate of 0.20 to 0.90 liters per square meter. Place blotter according to Section 411.

03M03/07/05

Section 602.— CULVERTS AND DRAINS

Construction Requirements

602.03 General. Add the following after the second paragraph:

Culvert pipe installation may require dewatering efforts. Provide a dewatering plan, including proposed dewatering method, at least 14 days before any dewatering activities. Allow 7 days for plan review and approval. Obtain a short-term activity exemption as required by Section 107.10(d).

602.06 Laying Plastic Pipe. Delete the second paragraph and substitute the following:

Provide soil-tight bell and spigot joints for plastic pipe culverts.

Section 605.— UNDERDRAINS, SHEET DRAINS, AND PAVEMENT EDGE DRAINS

Description

605.01 Add the following:

This work also consists of furnishing and installing underdrain systems using pipe, geocomposite drains, granular backfill, permeable backfill, and geotextile.

This work also consists of furnishing and placing geocomposite capillary break system for drainage of areas beneath the roadway as shown on the plans.

Material

605.02 Add the following to the material list:

Permeable backfill	703.04
Geocomposite capillary break	714.04

Construction Requirements

605.04A Geocomposite Capillary Break System: (Added Subsection.)

Install the fabricated or non-fabricated geocomposite roll in the intended direction of flow parallel to the roadway transverse slope direction. Handle and position the material in such a manner to ensure it is not damaged in any way and there are minimal wrinkles. Apply tension while unfolding panels and if necessary position geocomposite by hand after being unrolled to minimize wrinkles. Take special precautions to prevent damage to underlying layers during placement of the geocomposite. Place the materials at the elevation and alignment as shown on the plans or as directed by the CO.

Store geocomposite panels in a clean, dry environment, away from construction equipments' pathways and out of direct sunlight, protected from excessive heat, cold, mud, dirt, and dust. The materials will be rejected if it has defects including holes, deterioration, or damage incurred during storage or transportation.

In the presence of heavy wind, place sandbags or the equivalent during placement and leave in place until replaced with fill material.

Special Contract Requirements

Project: ID PFH 22-1(11), Cascade – Warm Lake Road

While deploying the drainage geocomposite cut to fit around obstructions (such as drainage pipe). To avoid gaps between the obstruction and the geocomposite, cut the geocomposite in a way that the lower geotextile and geonet core is in contact with the obstruction and the upper geotextile has an excess overhang. Keep enough of the upper geotextile to be able to tuck the upper geotextile back under the geocomposite to protect the exposed geonet core. This will prevent any soil particles from migrating into the geonet core flow channels.

If the project includes an anchor trench at the top of the side slopes, properly anchor the geocomposite to resist sliding. Prevent anchor trench compacting equipment from coming into direct contact with the geocomposite.

Secure/seam each component of the geocomposite (geotextile(s) and geonet) to the like component at overlaps. At the end of the fabricated geocomposite roll or along the roll width of non-fabricated geocomposite roll, overlap adjacent edges of geonet of the geocomposite across the slope/flow direction, a minimum of 75 mm. Join the overlapped geonet along the width of the roll by tying the cores together with plastic fasteners or polymeric braid. Install a tie at a maximum spacing of 1500 mm along the roll length, as shown in the plans or according to manufacture's recommendations as approved by the CO.

Join geocomposite rolls along the roll width of fabricated geocomposite roll or at the end of non-fabricated geocomposite roll, with the geonet portion of the top geocomposite overlapping the geonet portion of the bottom geocomposite a minimum of 150 mm in the direction of the slope. Tie the overlapped portions as shown in the plans or according to manufacture's recommendations as approved by the CO.

Overlap the bottom layer of the geotextile and sew the top layer of geotextiles together according to the manufacture's specifications. Overlap geotextiles a minimum of 75 mm before sewing. It is important that the geotextiles be joined continuously along to the roll as to prevent any fugitive particle migration into the geonet core flow channels.

If subgrade is solid and prepared with good construction conditions, it is optional to butt join geocomposite rolls across the slope direction, as approved by the CO. Install a tie at a maximum spacing of 1500 mm along the roll length.

Inspect the materials for geotextile and geocomposite damage before covering the deployed geocomposite. For geotextile damage, apply a 200mm x 200 mm textile patch (with spray adhesive on one side) over the blemish, hole, tear or thin spot in the geotextile. Firmly press the 200mm x 200 mm textile patch over repair area. If the damaged area of the geotextile is greater than this patch size, use bigger patch instead of using a multitude of 200mm x 200 mm patches. For geotextile damaged beyond 50 percent of the width of the roll, cap-strip a continuous piece of fabric with the same width as the repaired geocomposite to the adjacent seams by sewing a portion of new geotextile in place. For geocomposite damage (geonet damaged), remove any rips, tears or damaged areas on the deployed geocomposite and patch by placing a patch extending a minimum of 300 mm beyond the edges of the damaged area according to the

manufacture's specifications. Secure the patch to the original geonet by tying every 150 mm (typically zip-ties with a minimum tensile strength of 100 lbs). If the hole or tear width across the geocomposite roll is more than 50% of the width of the roll, cut out the damaged area and join the two portions of the geonet as described above.

Cover all installed geotextiles within 14 days. If the geotextile will be left exposed for more than 14 days, ask the manufacturer to review ultraviolet exposure conditions. Routinely sample and test geotextiles for tensile strengths every four weeks if left exposed for more than 14 days. If the tensile strength of the geotextile falls below the retained value mentioned in the specification, replace the defective material.

Place specified fill material and spread utilizing vehicles with a low ground pressure (LGP). Do not drive heavy equipment directly over geocomposite during fill placement without a minimum fill thickness of 300 mm. Place fill on geocomposite from the bottom of the slope proceeding upwards and in a manner that prevents instability of the cover soil or damage to the geocomposite. Unless otherwise specified by the CO, furnish equipment for spreading fill material overlying the geocomposite complying with the following:

Maximum Equipment Ground Pressure	Minimum Separation Thickness
Less than 35 kPa	300 mm
35kPa to 70 kPa	460 mm
Greater than 70 kPa	600 mm

605.07 Acceptance. Add the following:

Material for geocomposite capillary break system will be evaluated under Subsections 106.02 and 106.03.

Installation of geocomposite capillary break system will be accepted under Subsections 106.02 and 106.04.

Measurement

605.08 Add the following:

Do not measure overlaps in the geomcomposite capillary break system.

Section 622.— RENTAL EQUIPMENT

Description

622.01 Delete the text of this Subsection and substitute the following:

This work consists of furnishing and operating equipment for the construction work as ordered by the CO and listed below. Work under this Section does not include equipment time used to perform work provided for under any other pay item shown in the bid schedule. The work anticipated under this Section includes:

- (a) Perform minor landscaping as directed by the CO;
- (b) Fall hazardous trees as directed by the CO;
- (c) Perform minor drainage corrections as directed by the CO; and
- (d) Perform minor grading along the project as directed by the CO.

Construction Requirements

622.02 Rental Equipment. Delete the text of the first paragraph and substitute the following:

Furnish and operate the following equipment:

<u>Number of Units</u>	<u>Type of Equipment</u>
1	Motor grader, 3.6 meter minimum blade
1	Wheel loader, 3 cubic meter minimum rated capacity
1	Hydraulic Excavator, crawler mounted, 0.7 cubic meter minimum capacity with thumb attachment
2	Dump truck, highway, 8 cubic meter minimum capacity
1	Chain saw, 600 mm bar length

Submit the model number and serial number for each piece of equipment before use. Make equipment available for inspection and approval before use.

Section 623.— GENERAL LABOR

Description

623.01 Delete the text of this Subsection and substitute the following:

This work consists of furnishing workers and hand tools for the work listed in Subsection 622.01.

Section 625.— TURF ESTABLISHMENT

Construction Requirements

625.03 General. Delete the text of this Subsection and substitute the following:

Apply turf establishment to finished slopes and ditches between May 1 and October 15. Apply turf establishment to Waste Site and Former Waste Site areas after contour and leveling work is complete. Do not apply turf establishment during windy weather or when the ground is excessively wet, frozen, snow covered, extremely dry, cloddy, hard pan, or not friable.

625.05 Watering. Delete the text of this Subsection.

625.06 Fertilizing. Add the following to paragraph (b) Hydraulic method:

Apply Type I seed fertilizer at the rate of 22.5 kilograms per slurry unit. Fertilize areas inaccessible to hydraulic-type equipment by hand.

625.07 Seeding. Add the following to paragraph (b) Hydraulic method:

Type I seed is for the Project Area, Waste Site and Former Waste Site Areas. Apply the Type I seed at the rate of 3.25 kilograms of live seed per slurry units.

625.08 Mulching. Delete the second and third paragraphs of paragraph (b) Hydraulic method and substitute the following:

Apply wood fiber mulch at a rate of 225 kilograms per slurry unit upon completion of seeding and fertilizing applications. This rate does not apply to mulch for tracer applied under Subsection 625.07 (b), Seeding, Hydraulic Method.

Section 633.— PERMANENT TRAFFIC CONTROL**Construction Requirements****633.04 Supports.** Add the following:

Fabricate sign supports from wood.

633.05 Panels. Delete the text of the first paragraph and substitute the following:

Fabricate sign panels from aluminum. Use Type III retroreflective sheeting for all signs. For permanent sign panels, use type L-1 letters, numerals, arrows, symbols, and borders. Cut panels to size and shape and drill or punch all holes. Make panels flat and free of buckles, warp, dents, cockles, burrs, and other defects.

Section 635.— TEMPORARY TRAFFIC CONTROL**Description****635.01** Add the following:

This work also includes providing the services of a Traffic and Safety Supervisor.

Construction Requirements**635.08A Traffic and Safety Supervisor.** (Added Subsection.)

Perform services described in Subsection 156.08. Provide all vehicles and incidentals necessary to perform the work.

635.13 Temporary Pavement Markings and Delineation. Delete the text of this Subsection and substitute the following:

Before opening a pavement surface to traffic, remove all conflicting pavement markings by sandblasting or other methods that do not damage the surface or texture of the pavement. Make the removal pattern uneven so it does not perpetuate the outline of the removed pavement markings. Lightly coat sandblasted or removal areas on asphalt surfaces with emulsified asphalt.

Provide temporary pavement markings or delineation according to Section 156, the MUTCD, and project plans. Apply temporary pavement markings (centerline) to the same dimensions and cycle lengths as shown in the plans for permanent pavement markings, including all passing zones. Temporary pavement markings may be allowed to remain in place for more than 14 days when approved by the CO.

Place and maintain temporary pavement markings that are neat, crack free, true, straight, and unbroken. For temporary pavement markings, use traffic paint or temporary raised pavement markers as follows:

(a)Traffic paint. Do not apply temporary traffic paint to the final surface. Apply traffic paint as the temporary pavement marking if no work will be performed on the project for at least 30 consecutive days. Apply temporary traffic paint at a 0.38-millimeter minimum wet film thickness (0.38 liters per square meter). Immediately apply type 1 glass beads on the paint at a minimum rate of 0.7 kilograms per liter of paint.

(b) Raised pavement markers and signs. Temporary signs and vehicle positioning guides (raised pavement markers) may be substituted for temporary pavement markings for up to 14 calendar days. Install “NO CENTER STRIPE” (W8-12), “NO PASSING ZONE” (R14-3), “DO NOT PASS” (R4-1) and “PASS WITH CARE” (R4-2) signs according to the MUTCD. Include the description and location of each sign in an alternate traffic control proposal according to Subsection 156.03. Install vehicle positioning guides (temporary raised pavement markers) spaced 12 meters apart for temporary centerline delineation.

When tack coats are used after marker placement, protect the markers with an approved protective cover, which is removed after the asphalt material is sprayed.

Remove all temporary raised pavement markers before placing additional pavement layers

Remove all raised pavement markers from the surface course before placing permanent pavement markings.

635.17 Pavement Patch. Add the following:

Remove all cold asphalt mix from patches less than two years old as directed by the CO and replace with hot asphalt mix before placing hot asphalt on succeeding lifts.

Measurement

635.26 Amend as follows:

Delete the sixth paragraph and substitute the following:

Measure flaggers, for each hour a person is actually flagging. Round portions of an hour up to the half hour. Measure time in excess of 40 hours per week at the same rate as the first 40 hours.

Delete the eleventh paragraph and substitute the following:

Measure temporary pavement markers one time for each lift of pavement even if replaced. Temporary raised pavement markers and signs used in lieu of temporary traffic paint as temporary markings will be measured as equivalent temporary pavement markings.

Add the following:

Do not measure flagging performed by the Traffic and Safety Supervisor when there is a pay item in the bid schedule for Traffic and Safety Supervisor.

Signs used to delineate passing zones and raised pavement makers used for vehicle positioning guides according to Subsection 635.13 will not be measured.

Measure Traffic and Safety Supervisor by the day (24-hour day beginning and ending at midnight) for the work described in Subsection 156.08.

A day will be measured when:

- Construction operations require a Traffic Supervisor during the normal working days;
- The Traffic Control Supervisor makes normal checks during nonwork hours; or
- The Traffic Control Supervisor is called out during nonwork hours.

Payment

635.27. Add the following:

Progress payment for temporary pavement markings will be made upon installation, except that when the pay item includes subsequent removal of the markings, up to 25 percent of the unit bid price may be withheld until the removal is completed.

Section 637. — FACILITIES AND SERVICES

Construction Requirements

637.02 General. Delete the text of this Subsection and substitute the following:

Provide the facilities and services beginning 14 days before project work begins and ending 21 days after final acceptance. Facilities remain the property of the Contractor upon completion of the contract. Locate the Government field office within 15 miles of the project site, in a location where high-speed internet access is available, as directed by the CO.

Perform all site work to set up and remove facilities. Provide weatherproof buildings or trailers in new or like new condition. Facilities and their location are subject to approval. Suitable commercial or private facilities located near the project may be provided.

637.03 Facilities. Delete the text of this Subsection and substitute the following:

Furnish facilities that are ample, safe, sanitary, and include the appropriate electrical service, potable water supply, toilet accommodations and waste disposal services. Pay utility bills (electricity and water) promptly for all facilities. Provide local and long distance telephone services. The Government will be responsible for the cost of long distance calls made by Government employees for Government business and charged against this phone service. Bill the Government separately for these charges.

(a) Field office. Furnish and maintain a field office according to Tables 637-1 and 637-2.

Divide the field office into a minimum of 2 areas by permanent walls with hinged doors. If window air conditioning is provided, provide a separate unit for each room.

If any equipment supplied becomes defective, is stolen, or for any other reason does not function as intended, replace the equipment with an equal or better unit at no additional cost to the Government. Replace any defective equipment within eight hours after being notified by the CO.

The Contractor will retain ownership of all equipment supplied by the Contractor. The CO will notify the Contractor when the equipment is no longer needed and request its removal.

Provide three (3) separate telephone lines for the exclusive use by the CO.

Provide, install and maintain high-speed Internet access at least 768kbps download and 256kbps upload. The system must have the ability to support at least four (4) workstations connected by Category 6 RJ45 LAN office drop cables. All the workstations must be able to access the Internet at the same time. The high-speed Internet service can be provided via DSL, FIOS, a dedicated T1 line, or cable. If another option is proposed it must be submitted to the CO for approval. Only U.S. DOT equipment is to be connected to the system.

Table 637-1
Minimum Requirements for Field Facilities

Property	Field Office
Floor space — m ²	37
Locking outside door — deadbolt with keys	1
Steps with slip-proof tread and handrails	(1)
Windows with locks	2
Total window area — m ²	2.8
Ceiling height, 2.1 m	√
Rooms including toilet room	3
Room size except toilet room — m ²	9
Electrical lighting	√
Heat and air conditioning, maintain temperature of 22±4 °C	√
Adequate electrical outlets	√
Adequate electricity (120 and 240 V, 60 cycle as applicable)	√
Adequate potable water supply	√
Drinking water cooler with water supply	√
Sink with faucets for both hot and cold water	√
Adequate hot and cold water supply	√
Parking for a minimum of 5 vehicles on gravel surface	√

(1) As required.

Table 637-2
Minimum Facility Furnishings and Services

Property	Field Office
Fire extinguisher	1

(This page intentionally left blank.)

Section 702.— ASPHALT MATERIAL

702.03 Emulsified Asphalt. Add the following to paragraph (b):

For CMS-2s conform to AASHTO M 208, Table 1 requirements for CMS-2, except that the percent oil distillate, by volume of emulsion must be at least 5.0 and no greater than 20.0.

Furnish naptha with a boiling range between 50 and 204 °C as the oil distillate.

Section 703.— AGGREGATE

703.03 Granular Backfill. (a) Underdrain pipe with geotextile. Delete the text of this paragraph and substitute the following:

Furnish granular backfill conforming to AASHTO M 80, class E and AASHTO M 43, size number 4 or 5.

703.06 Crushed Aggregate. Delete the text of this Subsection and substitute the following:

Furnish hard, durable particles or fragments of crushed stone or gravel conforming to the size and quality requirements for base aggregate as stated in the Idaho Transportation Department Standard Specification for Highway Construction – 2004 or the FP-03. Furnish crushed aggregate with a maximum size of 25 millimeters as determined by AASHTO T 27 and T 11. Furnish crushed aggregate uniformly graded from coarse to fine and free of organic matter, lumps or balls of clay, and other deleterious matter.

703.17 Superpave Asphalt Concrete Pavement Aggregate. Amend as follows:

Add the following:

- | | |
|---|---------------|
| (h) Accelerated weathering of aggregate by use of Dimethyl Sulfoxide (DMSO), WFLHD Standard Test Method | 12% max. loss |
| (i) Durability index, AASHTO T 210 (coarse and fine) | 35 min. |

Delete Table 703-13 and substitute the following:

Table 703-13
Allowable Deviations for Target Value Gradations

Gradation Range (percent passing)		Allowable Deviation (percent)
Minimum	Maximum	
70.1	89.9	4
60.1	70.0	5
55.1	60.0	6
45.1	55.0	7
40.1	45.0	6
30.1	40.0	5
21.1	30.0	4
8.1	21.0	3
0	8.0	2

Section 704.— SOIL

704.02 Bedding Material. Delete the text of this Subsection and substitute the following:

Furnish a uniformly graded, free draining material free of excess moisture, muck, frozen lumps, roots, sod, or other deleterious material conforming to the following:

- | | |
|---|---|
| (a) Maximum particle size | 12.5 mm or half the corrugation depth, whichever is smaller |
| (b) Material passing 75 μ m sieve, AASHTO T 27 and T 11 | 10% max. |

704.07 Select Borrow. Delete the text of this Subsection and substitute the following:

Furnish clean angular crushed material, well-graded from course to fine, free of excess moisture, muck, frozen lumps, roots, sod, or other deleterious material conforming to the following:

- | | |
|---------------------------------------|-------------|
| (a) Gradation | Table 704-1 |
| (b) Los Angeles abrasion, AASHTO T 96 | 40% max. |

**Table 704-1
Select Borrow Gradation**

Sieve Size	Percent by Mass Passing Designated Sieve (AASHTO T 27 & T 11)
75 mm	100
25 mm	70-100
4.75 mm	30-70
75 μ m	0-5

Section 706.— CONCRETE AND PLASTIC PIPE

706.08 Plastic pipe. Delete the text of paragraph (d) and substitute the following:

(d) Corrugated polyethylene drainage tubing. Furnish 75 to 250-millimeter diameter tubing conforming to AASHTO M 252, Type C or CP.

Section 713.— ROADSIDE IMPROVEMENT MATERIAL

713.03 Fertilizer. Add the following:

(a) **Fertilizer for Type I seed.** Furnish slow release fertilizer with the following minimum percentages of available nutrients:

10:30:10

Each ingredient is acceptable up to 5 percent over the minimum requirements.

713.04 Seed. Add the following:

Furnish a Type I mixture consisting of the following kinds of seed with the corresponding percentages by weight of “live seed”:

Smooth Brome Grass (<i>Bromus intermis</i>), (<i>Manchar</i>)	21%
Mountain Brome Grass (<i>Bromus marginatus</i>)	27%
Intermediate Wheatgrass (<i>Agropyron intermedium</i>), (<i>Oahe</i>)	21%
Sheep Fescue (<i>Festuca ovina</i>), (<i>Covar</i>)	7%
Canada Bluegrass Grass (<i>Poa compressa</i>), (<i>Rubens</i>)	17%
Yellow Sweet Clover (<i>Melilotus officinalis</i>)	7%

Each ingredient is acceptable up to 1 percent under the above requirements.

Determine the amount of “live seed” in a container by the following formula: Net weight of seed in container multiplied by the purity percentage multiplied by the germination percentage. (If seed is 85% pure and tests 90% germination, then a 45.4 kilogram container would contain 34.7 kilograms of “live seed”.)

All seed used on National Forest System Lands will be certified to be free of seeds from noxious weeds listed on the current *All States Noxious Weeds List*.

713.05 Mulch. (b) **Wood fiber.** Add the following:

Test wood fibers to confirm that they meet all of the foregoing requirements. Weight specifications of the mulch material from suppliers and for all applications, refers only to the air dry mass of the fiber material.

Section 714.— GEOTEXTILE AND GEOCOMPOSITE DRAIN MATERIAL

Add the following Subsection:

714.03 Geocomposite Capillary Break. Geocomposite capillary break system shall have either fabricated tri-planar geonet drainage geocomposite with flow direction predominantly across (perpendicular to) the roll length, or non-fabricated tri-planar geonet drainage geocomposite with flow direction predominantly along (parallel to) the roll length. Geocomposite capillary break is comprised of a tri-planar geonet core consisting of thick supporting ribs with diagonally placed top and bottom ribs and with thermally bonded nonwoven geotextiles on both sides. This product is capable of quickly remove surface water infiltrating or ground water seeping into the soil base. The product provides a void-maintaining system under high normal loads to work as a capillary break; it also works as a separation and sub-base reinforcement layer and will have properties conforming to the values and test methods listed below:

PROPERTY	TEST METHOD	UNITS	VALUE
Geonet Core			
Min. thickness	ASTM D5199	mm	7.6
Min. density	ASTM D 1505	g/cm ³	0.94
Max. melt down index	ASTM D 1238	g/10 min	1.0
Min. carbon black content	ASTM D 4218	%	2.0
Geocomposite Hydraulic Properties			
Transmissivity-load of 720 kPa at gradient of 0.1	ASTM D 4716 GRI-GC8	m ³ /sec/m	1.8 E-03
Flow rate		lpm/m	10.8
Coefficient of Permeability		m/day	20,500
Geocomposite Reinforcement Properties			
Tensile strength-Machine direction	ASTM D 4595	kN/m	36.5
No.of load cycles before crack propagation	--	--	3,000

Special Contract Requirements

Project: ID PFH 22-1(11), Cascade – Warm Lake Road

PROPERTY	TEST METHOD	UNITS	VALUE
Nonwoven Geotextile			
U.V. Resistance (500 hrs)	ASTM G 154	%	95
Serviceability Class	AASHTO M-288		Class 1
Grab Tensile	ASTM D 4632	N	900
Tear Strength	ASTM D 4533	N	350
Puncture Resistance	ASTM D 4833	N	350
AOS	ASTM D 4751	mm	0.18
Permittivity	ASTM D 4491 Falling head	Sec ⁻¹	0.5

Submit the following for geocomposite capillary break evaluation and approval:

- (a) Product sample approximately 200-mm square or larger.
- (b) Product data sheet and certification from the Manufacturer that the geocomposite product supplied meets the requirements of this Section.
- (c) Manufacturer's installation instructions and general recommendations.

Section 718.— TRAFFIC SIGNING AND MARKING MATERIAL

718.14 Waterborne Traffic Paint. (g) Daylight reflectance. (Without glass beads.) Delete the text of this Subsection and substitute the following:

- | | |
|-------------------------|---|
| (1) White, ASTM E 1347 | 84% relative to magnesium
oxide standard |
| (2) Yellow, ASTM E 1347 | 55% relative to magnesium
oxide standard |